TEAC

SERVICE MANUAL

AG-5D

AV Digital Home Theater Receiver

DIGITAL dts SURROUND

DOLBY DIGITAL PRO LOGIC II

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NOTES

- PC boards shown are viewed from parts side.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.
  [E]:EUROPE [UK]:U.K.

Effective : April, 2004

S-0106A

1 SPECIFICATIONS

Amplifier Section

Output Power .....100 W + 100 W
(Stereo, 0.2 % THD, 20 Hz to 20 kHz, 6 Ω)

Surround Output Power .....125 W per channel
(0.7 % THD, 1 kHz, 6 Ω, only one channel driven)

Total Harmonic Distortion .....0.09 % (at 95 W, 1 kHz, 6 Ω)
Audio Input Sensitivity/Impedance .....*LINE: 200 mV/47 kΩ
Output Level/Impedance (TAPE REC) .....200 mV / 2.2 kΩ
Frequency Response .....*LINE: 20 Hz – 50 kHz, +0 / –3 dB
Signal-to-Noise Ratio .....*LINE: 90 dB (IHF-A)
Tone Control .....BASS: ± 10 dB at 100 Hz
TREBLE: ± 10 dB at 10 kHz

Digital Audio Section

Sampling Frequency .....32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Digital Input Level .....COAXIAL (75 Ω): 0.5 Vp-p
OPTICAL (660nm): –15 dBm to –21 dBm

Video Section

S-Video Output
Y (luminance) - Output level .....1 Vp-p (75 Ω)
C (color) - Output level.....286 mVp-p (75 Ω)
Jacks .....S-VIDEO jack

Video Output
Output level.....1 Vp-p (75 Ω)
Jacks .....RCA jack

FM Tuner Section

(Without notes 100.1 MHz, 65 dBf)

Tuning Range .....87.5 MHz – 108.0 MHz, 50 kHz steps
Total Harmonic Distortion (1 kHz) .....Mono: 0.5%, Stereo: 0.8%
Frequency Response.....30 Hz – 15 kHz, ±3 dB
Stereo Separation (1 kHz).....40 dB
Signal-to-Noise Ratio .....Mono: 70 dB, Stereo: 65 dB

AM Tuner Section

Tuning Range .....522 kHz – 1,611 kHz, 9 kHz steps
Usable Sensitivity .....500 µV/m
Total Harmonic Distortion .....1.5% at 100 dB/m
Signal-to-Noise Ratio .....40 dB at 100 dB/m

General

Power Requirements .....AC 230 V, 50 Hz
Power Consumption .....200 W (STANDBY : 3 W)
AC Outlet (except U.K. model, total 100 W max.).....switched x 1
Dimensions (W x H x D) .....435 x 143 x 372 mm
Weight (net) .....10.0 kg

Standard Accessories

Power Cord x 1
AM Loop Antenna x 1
FM T-type Antenna x 1
FM Matching Transformer x 1
Remote Control Unit (UR-422) x 1
Battery (AAA, R03, UM-4) x 2
Owner's Manual x 1

* LINE means CD, TAPE, VIDEO.

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.

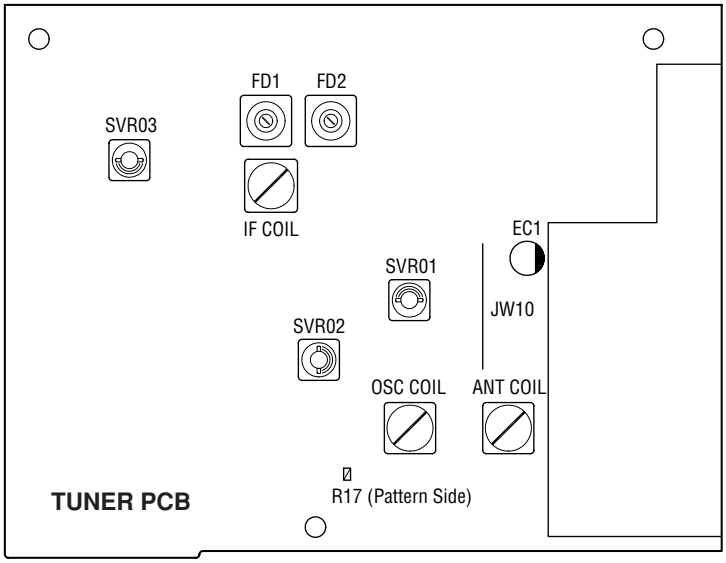
2 ADJUSTMENTS AND CHECKS

2-1 Equipment Requried

- AM Standard Signal Generator (AM SSG)
- FM Standard Signal Generator (FM SSG)
- Oscilloscope
- AC Voltmeter
- Audio Generator
- Stereo Modulator
- Distortion Meter
- DC Voltmeter

Note : Disconnect external FM antenna prior to adjustment.

2-2 Adjustment Locations



2-3 AM Adjustment

- Output of signal generator should not be greater than necessary to obtain an optimum output reading.
- Signal generator modulation : 30%
- Signal frequency : 400Hz
- Modulation frequency : 603kHz, 999kHz, 1404kHz

ITEM	SIGNAL GENERATOR SETTING	SET FREQUENCY SETTING	EQUIPMENT CONNECTION	ADJUSTMENT POINTS	ADJUST FOR
1. Tunning Voltage	522kHz 1611kHz	522kHz 1611kHz	JW10 DC Voltmeter	OSC COIL	522kHz : 1.2 ± 0.1V 1611kHz : 7.2～8.5V
2. IF Tracking	603kHz	603kHz	TAPE PLAY terminal AC Voltmeter Oscilloscope	IF COIL	Maximize audio output
3. RF Tracking	603kHz	603kHz	TAPE PLAY terminal AC Voltmeter Oscilloscope	ANT COIL	Maximize audio output Repeat LOW,HIGH frequency
4. Seek Level	603kHz	603kHz	TAPE PLAY terminal AC Voltmeter Oscilloscope	SVR03	Tuned on point

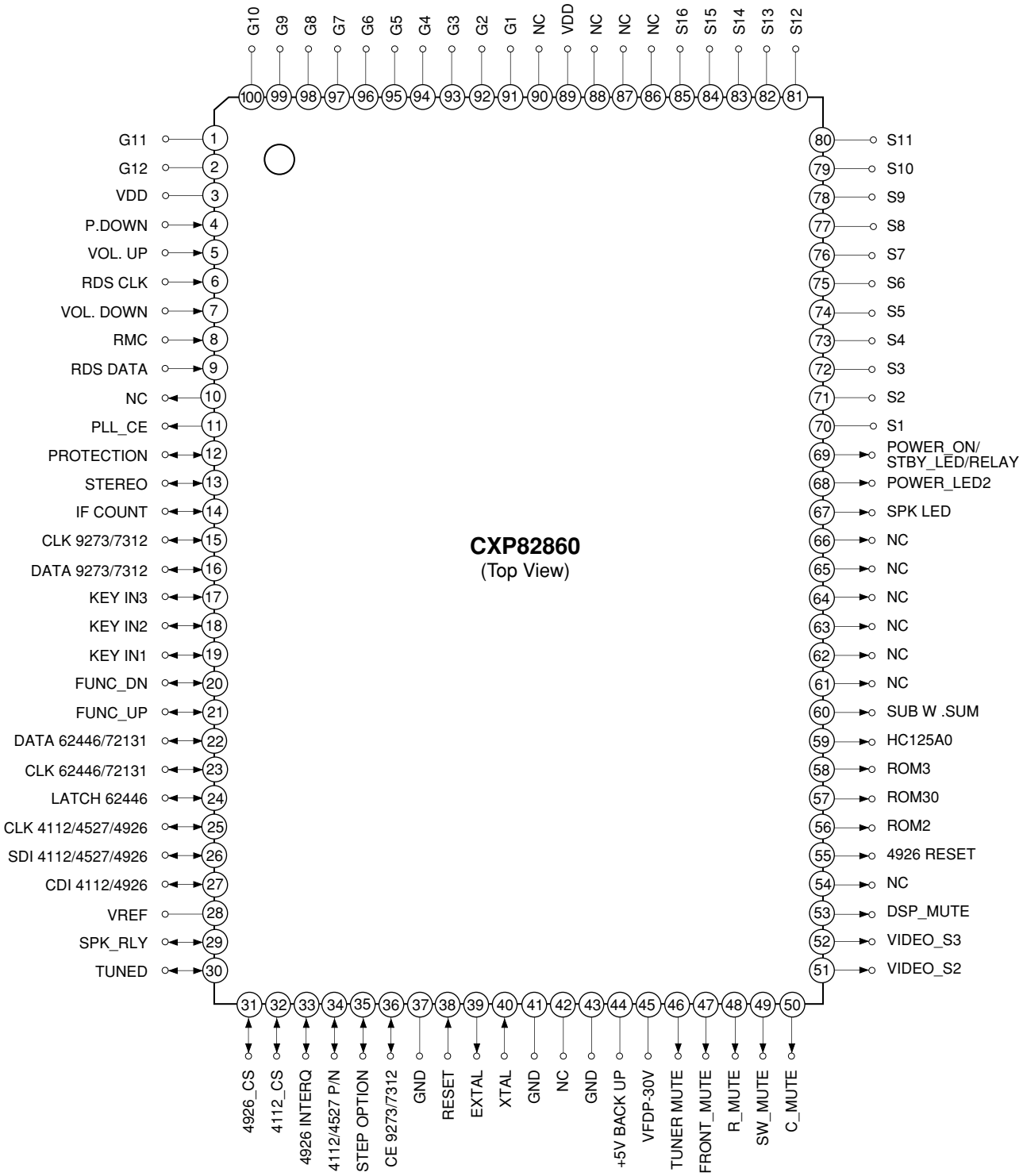
2-4 FM Adjustment

- Output of signal generator should not be greater than necessary to obtain an optimum output reading.
- Signal generator modulation : MAIN : 90%, PILOT : 10%
- Signal frequency : 1kHz, Deviation : 40kHz
- Modulation frequency : 90.1MHz, 98.1MHz, 106.1MHz

ITEM	SIGNAL GENERATOR SETTING	SET FREQUENCY SETTING	EQUIPMENT CONNECTION	ADJUSTMENT POINTS	ADJUST FOR
1. Tunning Voltage	87.5MHz 108MHz	87.5MHz 108MHz	EC1 DC Voltmeter	Check	87.5MHz : 1.35～1.65V 108MHz : 6.5～8.5V
2. FM DET and Distortion	98.1MHz	98.1MHz	R17 DC Voltmeter TAPE PLAY terminal AC Voltmeter Oscilloscope	FD1, FD2	0V and minimize distortion
3. Stereo Separation	98.1MHz	98.1MHz	TAPE PLAY terminal AC Voltmeter Oscilloscope	SVR02	Minimize stereo distortion and maximize separation
4. Seek Stop Level	98.1MHz	98.1MHz	TAPE PLAY terminal AC Voltmeter Oscilloscope	SVR01	Scan stop point to 18dBu "TUNED" indicator lights on FL display.

3 MICROCOMPUTER PIN FUNCTIONS

3-1 Pin Assignment

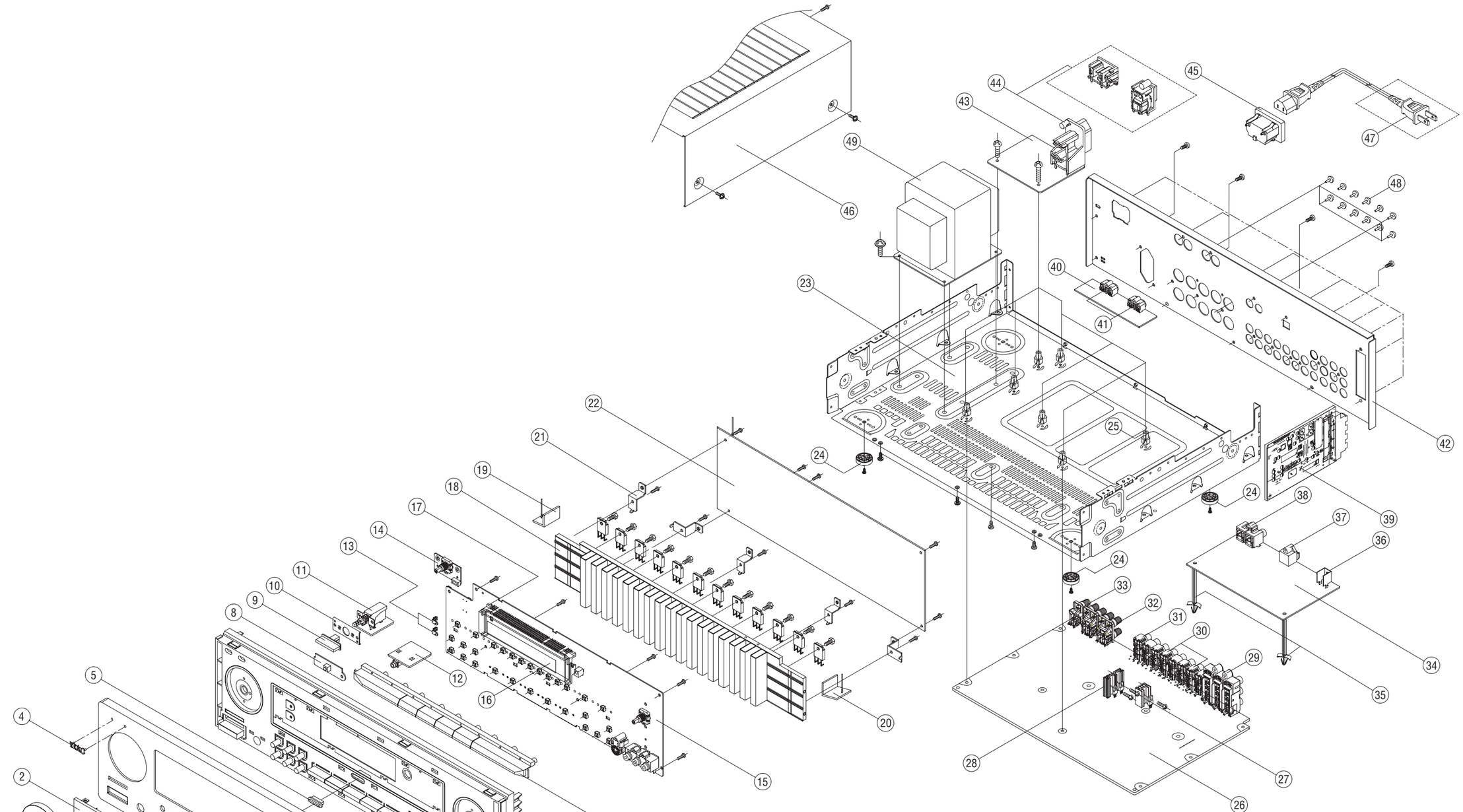


3-2 Pin Functions

Pin No.	Symbol	Description
1~2	G1/G2	GRID FL PORT
3	VDD	PULL UP(N.C)
4	P.DOWN	Input for power down.
5	VOL. UP	Input for main volume up.
6	RDS CLK	Clock signal output for BU1924.
7	VOL. DOWN	Input for main volume down.
8	RMC	Input for remocon data.
9	RDS DATA	Input for RDS data of BU1924.
10	NC	Not used!
11	PLL_CE	Clock signal output for 72131.
12	PROTECTION	Input for detecting "PROTECTION" condition.
13	STEREO	Input for detecting "STEREO" condition.
14	IF COUNT	Input for detecting TUNER FREQUENCY.
15	CLK 9273/7312	Clock signal output for M61516.
16	DATA 9273/7312	Data signal output for M61516.
17	KEY IN3	Data input for key scan.
18	KEY IN2	Data input for key scan.
19	KEY IN1	Data input for key scan.
20	FUNC_DN	Input for function encoder down
21	FUNC_UP	Input for function encoder up
22	DATA 62446/72131	Data signal output for 72131.
23	CLK 62446/72131	Chip enable signal output to 72131.
24	LATCH 62446	Data signal input for CS49326.
25	CLK 4112/4527/4926	Clock signal output for AK4112/AK4529/CS49236.
26	SDI 4112/4527/4926	Data signal output for AK4112/AK4529/CS49326.
27	CDI 4112/4926	Data signal input for AK4112.
28	VREF	Reference voltage. (Connected to +5V, Not VDD.)
29	SPK_RLY	Output to "Speaker Relay is ON/OFF" (At "H", it is active.)
30	TUNED	Input for detecting "TUNED" condition. (At "L", it is active.)
31	CS 4926	Chip select signal output to CS49326
32	SV-DET	Input for detecting S-VIDEO input signal (At "H", it is active.)
33	INTERQ 4926	Interrupt signal output to CS49326
34	P/D4112,4529	Input for AK4112/AK4529power down.
35	STEP_OPT	Input for selecting the frequency ranges steps of FM and AM. (3.4V : RDS, 5V : without RDS Receiver)
36	CE 9273/7312	Chip enable signal output for TC9273/AL7312
37	GND	GROUND
38	RESET	Input for resetting the CPU. (At "L", it is active.)
39	EXTAL	Input for 10MHz crystal oscillator.
40	XTAL	Output for 10MHz crystal oscillator.
41	GND	Ground.
42	NC	Not used!
43	GND	Ground.
44	+5V BACK UP	+5V power supply.
45	VFDP	-30V Supply

Pin No.	Symbol	Description
46	T_MUTE	Output for tuner mute. (At "L", it is active.)
47	SR_MUTE	Output for surround channel mute. (At "L", it is active.)
48	SW_MUTE	Output for sub woofer channel mute. (At "L", it is active.)
49	C_MUTE	Output for center channel mute. (At "L", it is active.)
50	F_MUTE	Output for front channel mute. (At "L", it is active.)
51	VIDEO_S3	Video select 1,2,3
52	VIDEO_S2	Video select 1,2,3
53	DSP_MUTE	Output for DSP mute. (At "L", it is active.)
54	NC	Not used!
55	CS4926RST	Reset signal output to CS4926.
56	ROM2	Signal output to M27W201 .
57	ROM30	Signal output to M27W201 .
58	ROM3	Signal output to M27W201 .
59	AUTOBOOT	Output for DSP AUTOBOOT
60	SUB SUM	Output for sub woofer Summing. (At "L", it is active.)
61~66	N.C	Not used!
67	SPK_LED	Output to drive speaker LED. (At "H", it is active.)
68	CS 4112	Chip select signal output to AK4112
69	STANDBY LED/RELAY	Output to drive Power on,standby LED. (At "H", it is active.)
70~85	S1~S15	GRID FL PORT
86	N.C	Not used!
87	N.C	Not used!
88	N.C	Not used!
89	VDD	+5V power supply.
90	N.C	Not used!
91~100	G1~G10	GRID FL PORT

4 EXPLODED VIEWS AND PARTS LIST



EXPLODED VIEW LIST

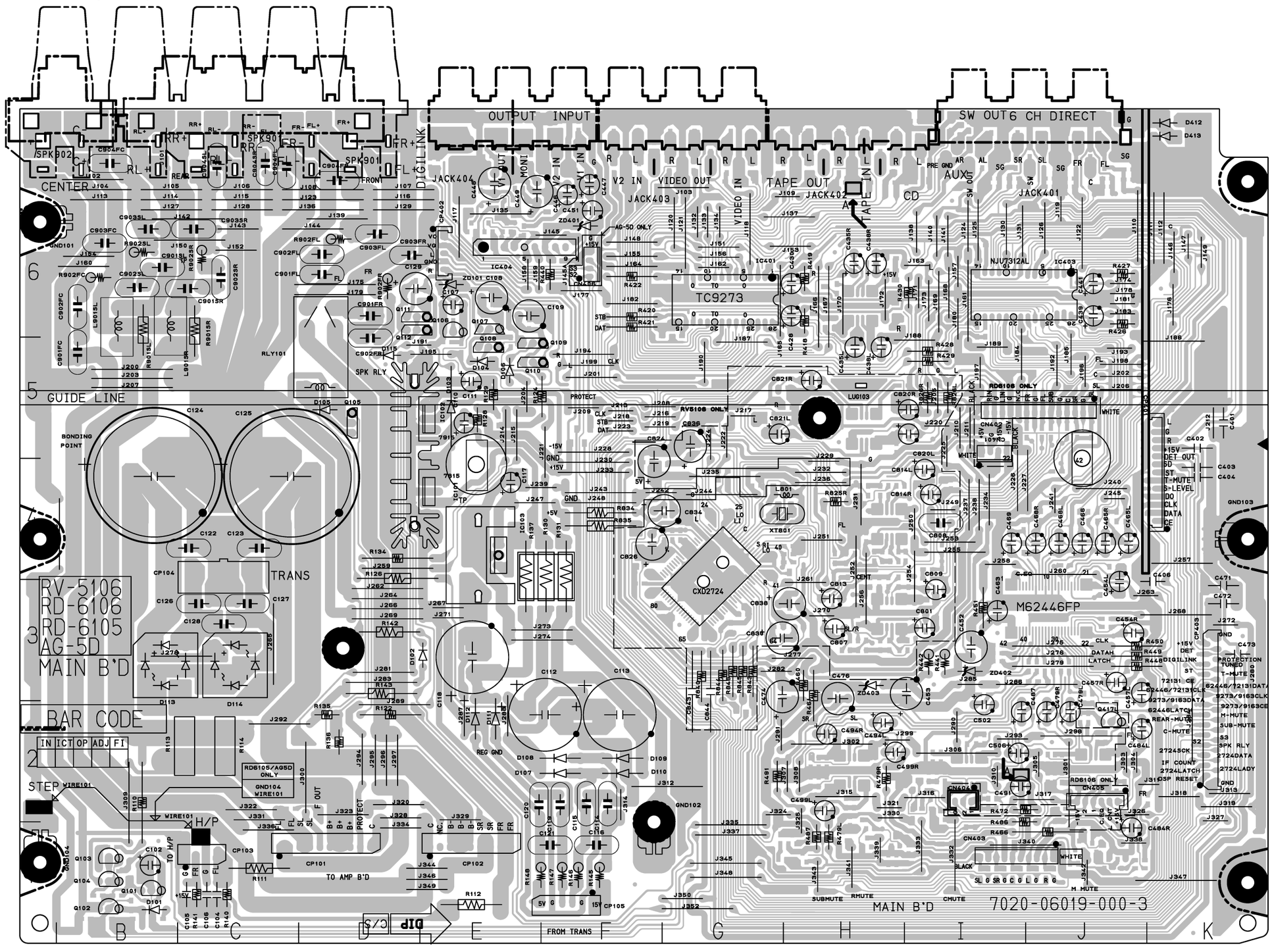
REF.NO.		PARTS NO.	DESCRIPTION	REMARKS
1		9A09976400	KNOB ASSY,VOLUME	5088210788000
2		9A09997000	WINDOW,DISPLAY	5077210973000
3		9A09980600	PANEL,FRONT	3067211198020
4		9A09976900	BADGE	5630210328000
5		9A09976800	INDICATOR	5160210093000
6		9A09975300	BODY	3417210091000
7		9A09976600	BUTTON,9KEY	5097211981010
8		9A09978300	ST/BY PCB ASSY	7028062244010
9		9A09976500	BUTTON,POWER	5097211971000
10		9A09975700	BRACKET,POWER	4010210876000
11		9A09995800	POWER SW PCB ASSY	7028062242010
12		9A09995900	HEADPHONE PCB ASSY	7028062243010
13		9A09976700	INDICATOR,STAND-BY	5160040643010
14		9A09995600	FUNCTION PCB ASSY	7028062232010
15		9A09998300	FRONT PCB ASSY [E]	7025HK0213021
15		9A09998310	FRONT PCB ASSY [UK]	7025HK0213031
16		9A09967400	DISPLAY,FLT	K530123500010
17		9A09976000	HOLDER,FLT	4320210091010
18		9A10002800	HEAT SINK,POWER	2120210168000
19		9A09994400	GIUDE A PCB ASSY	70280601920E0
20		9A09994500	GUIDE B PCB ASSY	70280601960E0
21		9A09975600	BRACKET,HEAT SINK	4010056906010
22		9A09994600	AMP PCB ASSY [E]	7025HK0213025
22		----------	AMP PCB ASSY [UK]	7025HK0213035
23		9A09980700	CHASSIS,MAIN	3200211166000
24		9A09975500	FOOT	4007040241040
25		9A09975800	SPACER,KNOB	4300040561010
26		9A09994700	MAIN PCB ASSY [E]	7025HK0213020
26		----------	MAIN PCB ASSY [UK]	7025HK0213030
27		9A09994800	HEAT SINK	2120044298010
28		9A09974300	HEAT SINK	2120043538030
29		9A09994900	TERMINAL,RCA 9PIN	G607901220070
30		9A09960700	TERMINAL,RCA 6PIN	G603060046020
31		9A09960600	TERMINAL,RCA 4PIN	G602040045030
32		9A09961300	TERMINAL,BOARD SCREW 8P	G61408103600A
33		9A09995000	TERMINAL,BOARD SCREW 2P	G611021078110
34		9A09977300	DSP PCB ASSY	7025HK0214022
35		9A09975900	SPACER,SUPPORTER	4300210023000
36		9A09975000	SHIELD-PLATE GND	3070045526010
37		9A09958400	MODULE,OPTICAL GP1FA502RZ	E100150200020
38		9A09960400	TERMINAL,RCA 2PIN	G601200099040
39		9A09995100	TUNER,FM/AM	E900901410021
40		9A09977400	S-VIDEO PCB ASSY	7025HK0214024
41		9A09959900	JACK,DIN S-VIDEO 2P	G403040020010
42		9A09995200	CHASSIS,BACK [E]	3207211176020
42		----------	CHASSIS,BACK [UK]	3207211176030
43		9A09995300	POWER PCB ASSY [E]	7028062245020
43		----------	POWER PCB ASSY [UK]	7028062245030
44	⚠	9A09960100	SOCKET,AC OUTLET [E]	G435040110000
45	⚠	9A09960000	SOCKET,POWER AC	G430040550010
46		9A09974800	CABINET,TOP	3007210356000
47	⚠	9A09969200	CORD,AC [E]	L061000000060
47	⚠	9A09982100	CORD,AC [UK]	L061000000080
48		9A09974700	BUSHING,TERMINAL	2410040353010
49	⚠	9A09995400	POWER TRANSFORMER	8200960610010

EXPLODED VIEW LIST

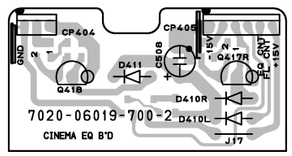
REF.NO.		PARTS NO.	DESCRIPTION	REMARKS
Q213C	⚠	9A10004400	TR,SAP16P	J501151000010
Q213L	⚠	9A10004400	TR,SAP16P	J501151000010
Q213R	⚠	9A10004400	TR,SAP16P	J501151000010
Q213SL	⚠	9A10004400	TR,SAP16P	J501151000010
Q213SR	⚠	9A10004400	TR,SAP16P	J501151000010
Q214C	⚠	9A10004600	TR,SAP16N	J503151000010
Q214L	⚠	9A10004600	TR,SAP16N	J503151000010
Q214R	⚠	9A10004600	TR,SAP16N	J503151000010
Q214SL	⚠	9A10004600	TR,SAP16N	J503151000010
Q214SR	⚠	9A10004600	TR,SAP16N	J503151000010

5 PC BOARDS AND PARTS LIST

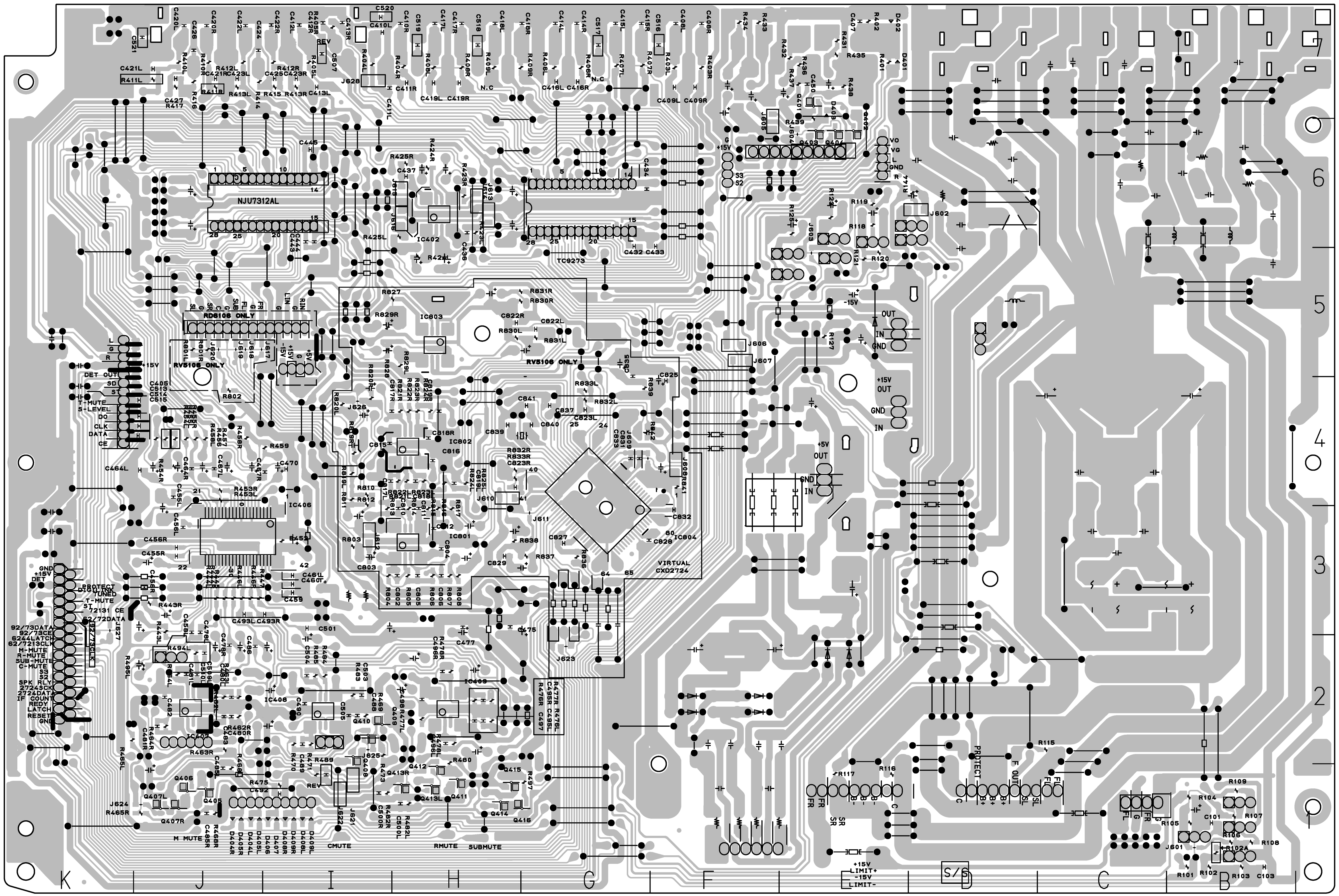
MAIN PCB (SIDE A)



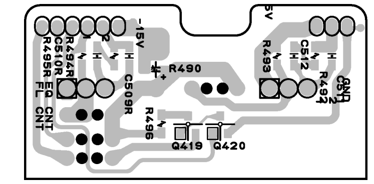
CINEMA EQ PCB (SIDE A)



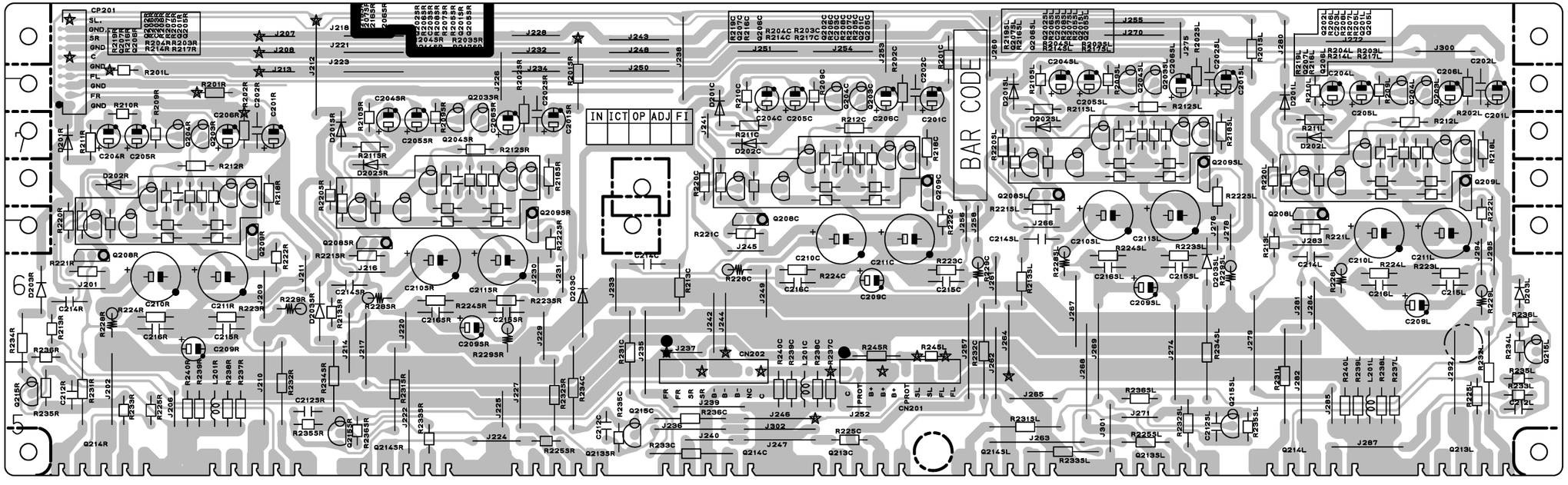
MAIN PCB (SIDE B)



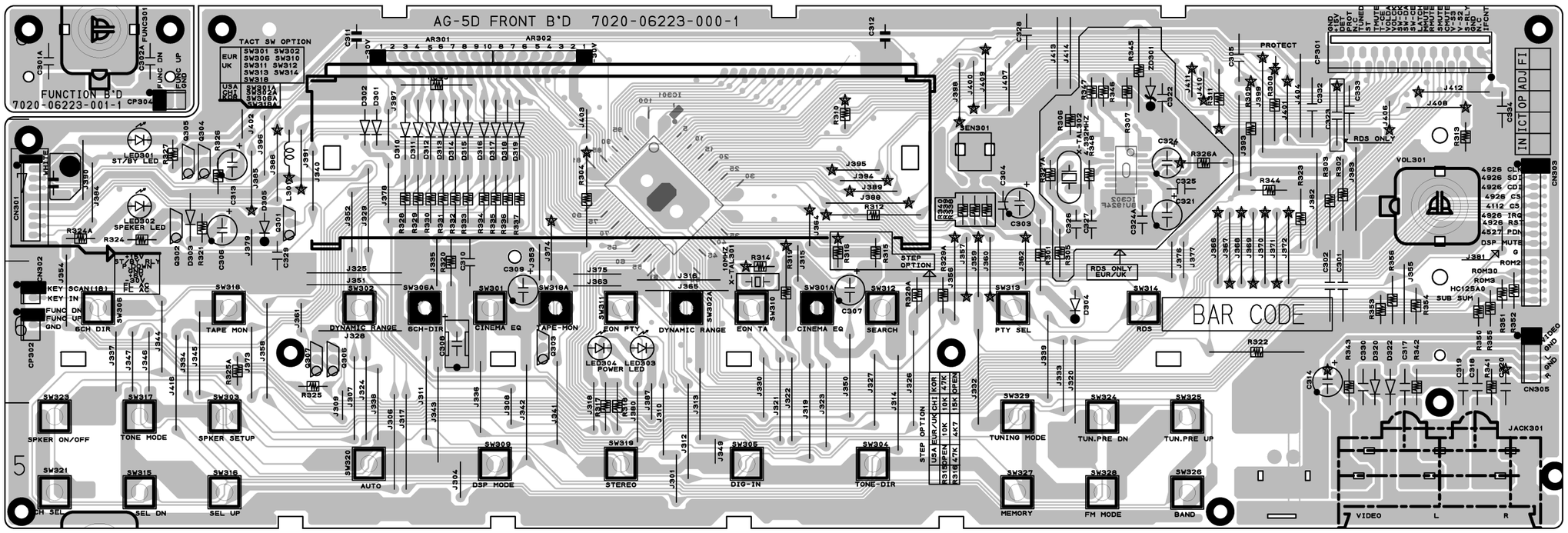
CINEMA EQ PCB (SIDE B)



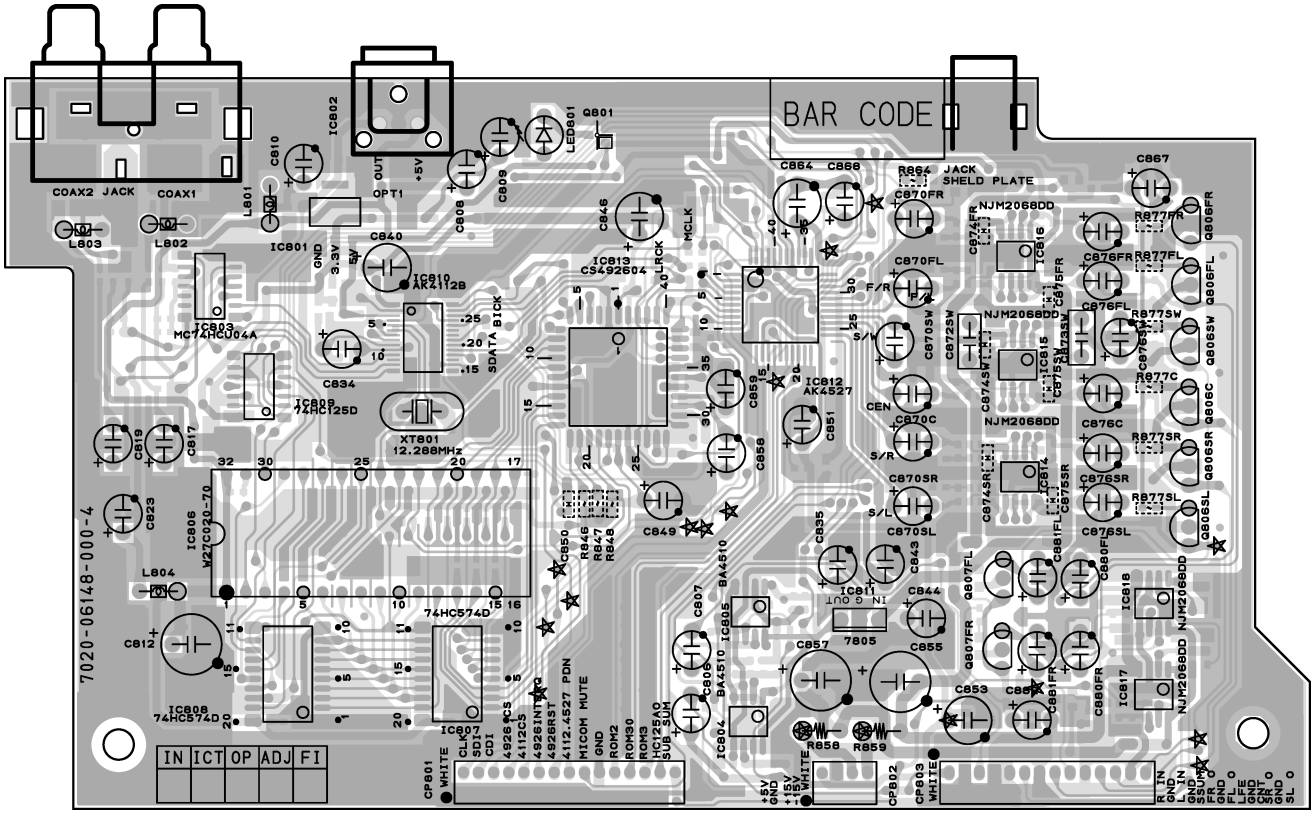
AMP PCB



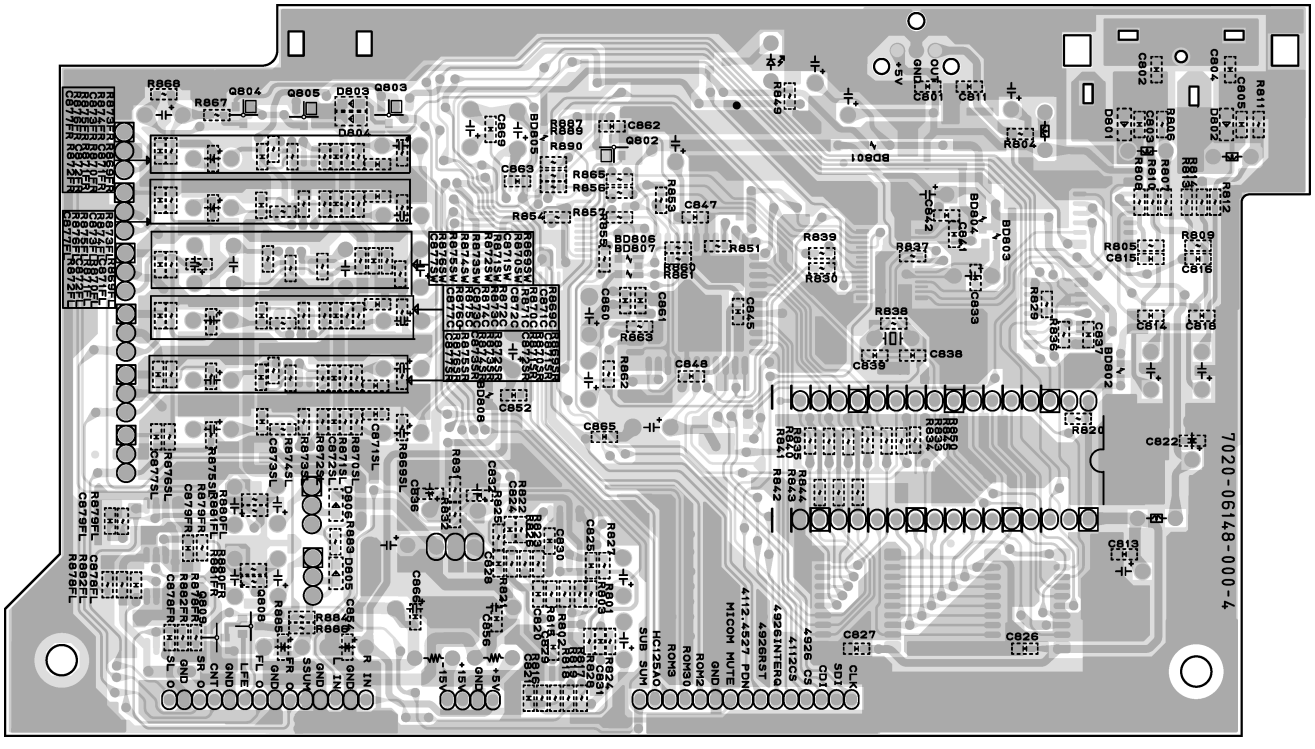
FUNCTION PCB / FRONT PCB



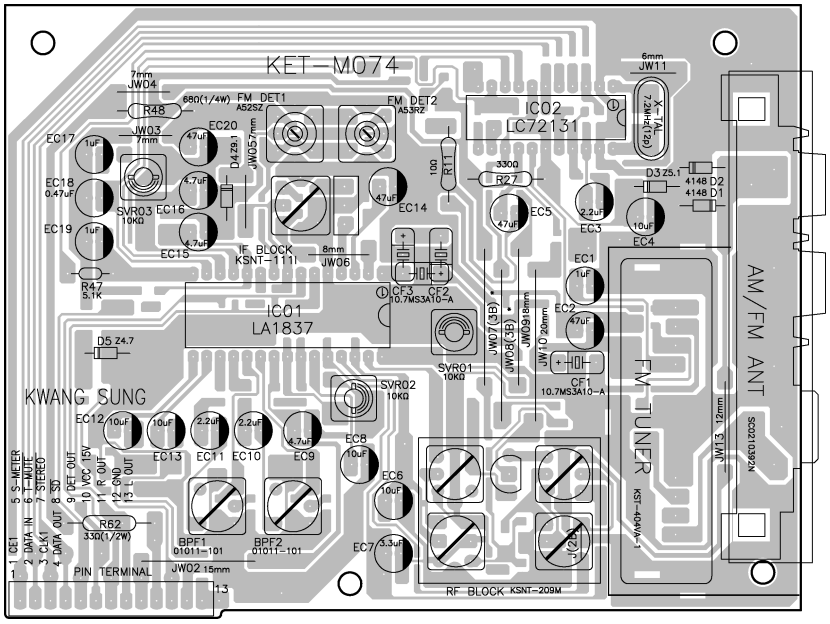
DSP PCB (SIDE A)



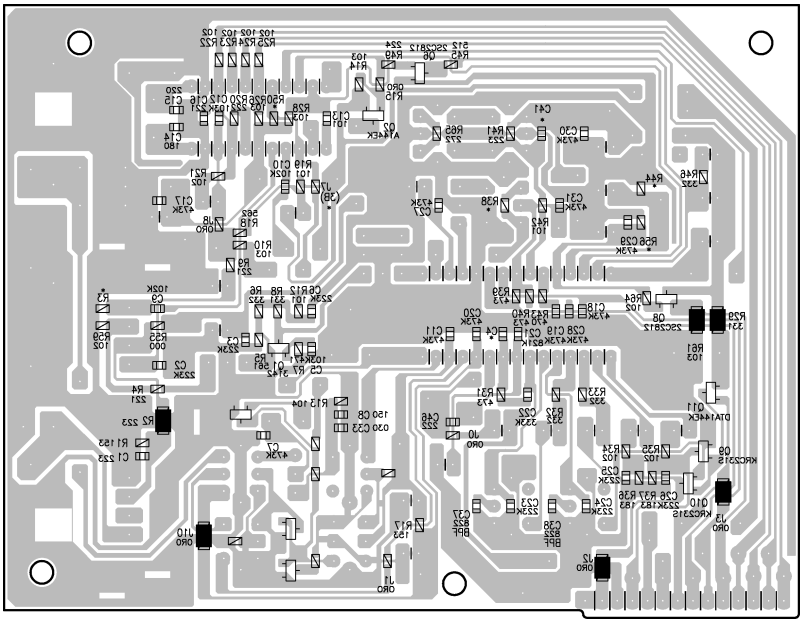
DSP PCB (SIDE B)



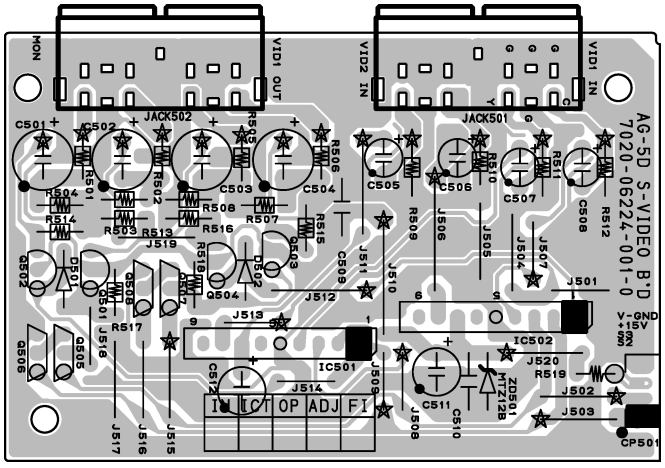
TUNER PCB (SIDE A)



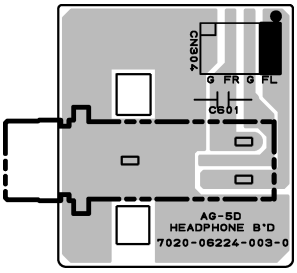
TUNER PCB (SIDE B)



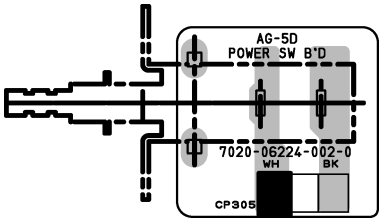
S-VIDEO PCB



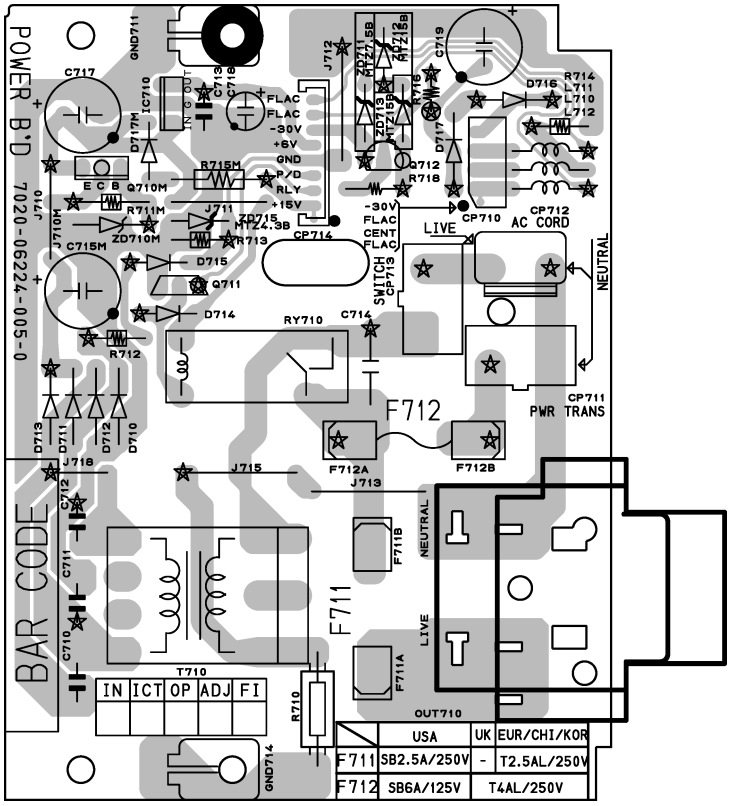
HEADPHONE PCB



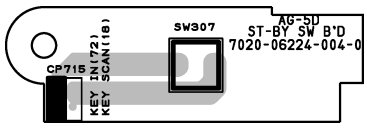
POWER SW PCB



POWER PCB



ST/BY PCB



MAIN PCB ASSY [E]

REF.NO.		PARTS NO.	DESCRIPTION
		9A09994700	MAIN PCB ASSY [E]
		9A09974300	HEAT SINK
		9A09994800	HEAT SINK
C112	⚠	9A10003100	CE,2200UF-M/35V
C113	⚠	9A10003100	CE,2200UF-M/35V
C118	⚠	9A09957600	CE,4700UF-M/25V
C124	⚠	9A09957700	CE,6800UF-M/63V
C125	⚠	9A09957700	CE,6800UF-M/63V
CN404		9A10005500	CN,WAFER,35336-0310 3P
CN405		9A10004900	CN,WAFER,TUC-P06P-B1 6P
CP101		9A09970800	CN,WAFER,5267-10A 10P
CP102		9A09970700	CN,WAFER,5267-09A 9P
CP103		9A09970500	CN,WAFER,5267-04A 4P
CP104		9A09980300	CN,WAFER,35328-0310
CP105		9A09970600	CN,WAFER,5267-06A 6P
CP401		9A09980200	CN,WAFER,35336-1310 13P
CP402		9A10005100	CN,WAFER,G1L-S-5P-S2T2-EF
CP403		9A09971000	CN,FPC,SCB 1125-00 25P ST
D101		9A09966200	DIODE,1SS133T-72
D102		9A09966200	DIODE,1SS133T-72
D103		9A09966200	DIODE,1SS133T-72
D104		9A09966200	DIODE,1SS133T-72
D105		9A09966200	DIODE,1SS133T-72
D106		9A09966200	DIODE,1SS133T-72
D107	⚠	9A09966300	DIODE,IN4007
D108	⚠	9A09966300	DIODE,IN4007
D109	⚠	9A09966300	DIODE,IN4007
D110	⚠	9A09966300	DIODE,IN4007
D111	⚠	9A09966300	DIODE,IN4007
D112	⚠	9A09966300	DIODE,IN4007
D113	⚠	9A09966500	D,BRIDGE,KBPC604
D114	⚠	9A09966500	D,BRIDGE,KBPC604
D115		9A09966200	DIODE,1SS133T-72
D403		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D404L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D404R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D405L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D405R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D406		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D407		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D408L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D408R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D409L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D409R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D412		9A09966200	DIODE,1SS133T-72
D413		9A09966200	DIODE,1SS133T-72
GND101		9A09975400	TERMINAL,GND PLATE
GND102		9A09975400	TERMINAL,GND PLATE
GND103		9A09975400	TERMINAL,GND PLATE
GND104		9A09975400	TERMINAL,GND PLATE
IC101	⚠	9A09963600	IC,MC7815CT
IC102	⚠	9A09963700	IC,KIA7915PI
IC103	⚠	9A09963400	IC,MC7805CT
IC401		9A10004100	IC,TC9273N-007
IC402		9A09963000	IC,BA4558F-E2

MAIN PCB ASSY [E]

REF.NO.		PARTS NO.	DESCRIPTION
IC403		9A10003500	IC,NJU7312AL
IC404		9A09964000	IC,LA7952
IC406		9A10004200	IC,M62446AFP
IC407		9A09963000	IC,BA4558F-E2
IC408		9A09963000	IC,BA4558F-E2
IC409		9A09963000	IC,BA4558F-E2
JACK401		9A10003200	TERMINAL,RCA 9PIN
JACK402		9A09960700	TERMINAL,RCA 6PIN
JACK403		9A09960700	TERMINAL,RCA 6PIN
JACK404		9A09960600	TERMINAL,RCA 4PIN
L901SL		9A09958300	COIL,INDUCTOR,J9000031
L901SR		9A09958300	COIL,INDUCTOR,J9000031
Q101		9A09964900	TR,KTC3200BL
Q102		9A09964500	TR,KTA1268BL
Q103		9A09964400	TR,KTA1266Y
Q104		9A09964400	TR,KTA1266Y
Q105		9A09966100	TR,KRC107M
Q106		9A09964200	TR,KSA992F
Q107		9A09964600	TR,2SC1740SR
Q108		9A09964600	TR,2SC1740SR
Q109		9A09964600	TR,2SC1740SR
Q110		9A09964600	TR,2SC1740SR
Q111		9A09964600	TR,2SC1740SR
Q112		9A09964600	TR,2SC1740SR
Q401		9A10004700	TR,KTC3880S-O
Q402		9A10004700	TR,KTC3880S-O
Q403		9A09965600	TR,KRC107S
Q404		9A09965600	TR,KRC107S
Q405		9A09965600	TR,KRC107S
Q406		9A09965200	TR,KRA107S
Q407L		9A09965500	TR,KRC231S
Q407R		9A09965500	TR,KRC231S
Q408		9A09965600	TR,KRC107S
Q409		9A09965200	TR,KRA107S
Q410		9A09965500	TR,KRC231S
Q411		9A09965600	TR,KRC107S
Q412		9A09965200	TR,KRA107S
Q413L		9A09965500	TR,KRC231S
Q413R		9A09965500	TR,KRC231S
Q414		9A09965600	TR,KRC107S
Q415		9A09965200	TR,KRA107S
Q416		9A09965700	TR,KTC2875B
Q417L		9A09965900	FET,2SK117Y
R111	⚠	9A09948700	R,METAL,390-J 1W
R112	⚠	9A09948700	R,METAL,390-J 1W
R113	⚠	9A09949000	R,CEMENT,0.1-J 5W
R114	⚠	9A09949000	R,CEMENT,0.1-J 5W
R126	⚠	9A09948200	R,METAL,10 OHM 1W
R142	⚠	9A10003000	R,METAL,4.7K-J 1W
R143	⚠	9A10002900	R,METAL,1K-J 1W
R145	⚠	9A09947900	R,METAL,0.22-J 1W
R146	⚠	9A09947900	R,METAL,0.22-J 1W
R147	⚠	9A09947900	R,METAL,0.22-J 1W
R148	⚠	9A09947900	R,METAL,0.22-J 1W
R441	⚠	9A09948500	R,METAL,220-J 1W

MAIN PCB ASSY [E]

REF.NO.		PARTS NO.	DESCRIPTION
R901SL	⚠	9A09948200	R,METAL,10 OHM 1W
R901SR	⚠	9A09948200	R,METAL,10 OHM 1W
R902FC	⚠	9A09948100	R,METAL,10-J 1W
R902FL	⚠	9A09948100	R,METAL,10-J 1W
R902FR	⚠	9A09948100	R,METAL,10-J 1W
R902SL	⚠	9A09948100	R,METAL,10-J 1W
R902SR	⚠	9A09948100	R,METAL,10-J 1W
RLY101		9A09961700	RELAY,G5PA-28 24V 5A
SPK901		9A10003400	TERMINAL,BOARD SCREW 8P
SPK902		9A10003300	TERMINAL,BOARD SCREW 2P
ZD101		9A09966700	D,ZENER,MTZJ5.1B
ZD401		9A09967000	D,ZENER,MTZJ12B
ZD402		9A09966800	D,ZENER,MTZJ6.8B
ZD403		9A09966800	D,ZENER,MTZJ6.8B

MAIN PCB ASSY [UK]

REF.NO.		PARTS NO.	DESCRIPTION
		----------	MAIN PCB ASSY [UK]
		9A09974300	HEAT SINK
		9A09994800	HEAT SINK
C112	⚠	9A10003100	CE,2200UF-M/35V
C113	⚠	9A10003100	CE,2200UF-M/35V
C118	⚠	9A09957600	CE,4700UF-M/25V
C124	⚠	9A09957700	CE,6800UF-M/63V
C125	⚠	9A09957700	CE,6800UF-M/63V
CN404		9A10005500	CN,WAFER,35336-0310 3P
CN405		9A10004900	CN,WAFER,TUC-P06P-B1 6P
CP101		9A09970800	CN,WAFER,5267-10A 10P
CP102		9A09970700	CN,WAFER,5267-09A 9P
CP103		9A09970500	CN,WAFER,5267-04A 4P
CP104		9A09980300	CN,WAFER,35328-0310
CP105		9A09970600	CN,WAFER,5267-06A 6P
CP401		9A09980200	CN,WAFER,35336-1310 13P
CP402		9A10005100	CN,WAFER,G1L-S-5P-S2T2-EF
CP403		9A09971000	CN,FPC,SCB 1125-00 25P ST
D101		9A09966200	DIODE,1SS133T-72
D102		9A09966200	DIODE,1SS133T-72
D103		9A09966200	DIODE,1SS133T-72
D104		9A09966200	DIODE,1SS133T-72
D105		9A09966200	DIODE,1SS133T-72
D106		9A09966200	DIODE,1SS133T-72
D107	⚠	9A09966300	DIODE,IN4007
D108	⚠	9A09966300	DIODE,IN4007
D109	⚠	9A09966300	DIODE,IN4007
D110	⚠	9A09966300	DIODE,IN4007
D111	⚠	9A09966300	DIODE,IN4007
D112	⚠	9A09966300	DIODE,IN4007
D113	⚠	9A09966500	D,BRIDGE,KBPC604
D114	⚠	9A09966500	D,BRIDGE,KBPC604
D115		9A09966200	DIODE,1SS133T-72
D403		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D404L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS

MAIN PCB ASSY [UK]

REF.NO.		PARTS NO.	DESCRIPTION
D404R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D405L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D405R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D406		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D407		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D408L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D408R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D409L		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D409R		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D412		9A09966200	DIODE,1SS133T-72
D413		9A09966200	DIODE,1SS133T-72
GND101		9A09975400	TERMINAL,GND PLATE
GND102		9A09975400	TERMINAL,GND PLATE
GND103		9A09975400	TERMINAL,GND PLATE
GND104		9A09975400	TERMINAL,GND PLATE
IC101	⚠	9A09963600	IC,MC7815CT
IC102	⚠	9A09963700	IC,KIA7915PI
IC103	⚠	9A09963400	IC,MC7805CT
IC401		9A10004100	IC,TC9273N-007
IC402		9A09963000	IC,BA4558F-E2
IC403		9A10003500	IC,NJU7312AL
IC404		9A09964000	IC,LA7952
IC406		9A10004200	IC,M62446AFP
IC407		9A09963000	IC,BA4558F-E2
IC408		9A09963000	IC,BA4558F-E2
IC409		9A09963000	IC,BA4558F-E2
JACK401		9A10003200	TERMINAL,RCA 9PIN
JACK402		9A09960700	TERMINAL,RCA 6PIN
JACK403		9A09960700	TERMINAL,RCA 6PIN
JACK404		9A09960600	TERMINAL,RCA 4PIN
L901SL		9A09958300	COIL,INDUCTOR,J9000031
L901SR		9A09958300	COIL,INDUCTOR,J9000031
Q101		9A09964900	TR,KTC3200BL
Q102		9A09964500	TR,KTA1268BL
Q103		9A09964400	TR,KTA1266Y
Q104		9A09964400	TR,KTA1266Y
Q105		9A09966100	TR,KRC107M
Q106		9A09964200	TR,KSA992F
Q107		9A09964600	TR,2SC1740SR
Q108		9A09964600	TR,2SC1740SR
Q109		9A09964600	TR,2SC1740SR
Q110		9A09964600	TR,2SC1740SR
Q111		9A09964600	TR,2SC1740SR
Q112		9A09964600	TR,2SC1740SR
Q401		9A10004700	TR,KTC3880S-0
Q402		9A10004700	TR,KTC3880S-0
Q403		9A09965600	TR,KRC107S
Q404		9A09965600	TR,KRC107S
Q405		9A09965600	TR,KRC107S
Q406		9A09965200	TR,KRA107S
Q407L		9A09965500	TR,KRC231S
Q407R		9A09965500	TR,KRC231S
Q408		9A09965600	TR,KRC107S
Q409		9A09965200	TR,KRA107S
Q410		9A09965500	TR,KRC231S

MAIN PCB ASSY [UK]

REF.NO.		PARTS NO.	DESCRIPTION
Q411		9A09965600	TR,KRC107S
Q412		9A09965200	TR,KRA107S
Q413L		9A09965500	TR,KRC231S
Q413R		9A09965500	TR,KRC231S
Q414		9A09965600	TR,KRC107S
Q415		9A09965200	TR,KRA107S
Q416		9A09965700	TR,KTC2875B
Q417L		9A09965900	FET,2SK117Y
R111	⚠	9A09948700	R,METAL,390-J 1W
R112	⚠	9A09948700	R,METAL,390-J 1W
R113	⚠	9A09949000	R,CEMENT,0.1-J 5W
R114	⚠	9A09949000	R,CEMENT,0.1-J 5W
R126	⚠	9A09948200	R,METAL,10 OHM 1W
R142	⚠	9A10003000	R,METAL,4.7K-J 1W
R143	⚠	9A10002900	R,METAL,1K-J 1W
R145	⚠	9A09947900	R,METAL,0.22-J 1W
R146	⚠	9A09947900	R,METAL,0.22-J 1W
R147	⚠	9A09947900	R,METAL,0.22-J 1W
R148	⚠	9A09947900	R,METAL,0.22-J 1W
R441	⚠	9A09948500	R,METAL,220-J 1W
R901SL	⚠	9A09948200	R,METAL,10 OHM 1W
R901SR	⚠	9A09948200	R,METAL,10 OHM 1W
R902FC	⚠	9A09948100	R,METAL,10-J 1W
R902FL	⚠	9A09948100	R,METAL,10-J 1W
R902FR	⚠	9A09948100	R,METAL,10-J 1W
R902SL	⚠	9A09948100	R,METAL,10-J 1W
R902SR	⚠	9A09948100	R,METAL,10-J 1W
RLY101		9A09961700	RELAY,G5PA-28 24V 5A
SPK901		9A10003400	TERMINAL,BOARD SCREW 8P
SPK902		9A10003300	TERMINAL,BOARD SCREW 2P
ZD101		9A09966700	D,ZENER,MTZJ5.1B
ZD401		9A09967000	D,ZENER,MTZJ12B
ZD402		9A09966800	D,ZENER,MTZJ6.8B
ZD403		9A09966800	D,ZENER,MTZJ6.8B

CINEMA EQ PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	9A09995500	CINEMA EQ PCB ASSY
CN405	9A10004800	CN,WAFER,TUC-P06X-B1
CP404	9A10005400	CN,WAFER,35237-0310 3P
D410L	9A09966200	DIODE,1SS133T-72
D410R	9A09966200	DIODE,1SS133T-72
D411	9A09966200	DIODE,1SS133T-72
Q417R	9A09965900	FET,2SK117Y
Q418	9A09965900	FET,2SK117Y
Q419	9A09965200	TR,KRA107S
Q420	9A09965600	TR,KRC107S

AMP PCB ASSY [E]

REF.NO.	PARTS NO.	DESCRIPTION
	9A09994600	AMP PCB ASSY [E]
CP201	9A10005200	CN,WAFER,GIL-S-10P-S2T2-EF
D201C	9A09966200	DIODE,1SS133T-72
D201L	9A09966200	DIODE,1SS133T-72
D201R	9A09966200	DIODE,1SS133T-72
D201SL	9A09966200	DIODE,1SS133T-72
D201SR	9A09966200	DIODE,1SS133T-72
D202C	9A09966200	DIODE,1SS133T-72
D202L	9A09966200	DIODE,1SS133T-72
D202R	9A09966200	DIODE,1SS133T-72
D202SL	9A09966200	DIODE,1SS133T-72
D202SR	9A09966200	DIODE,1SS133T-72
D203C	9A09966200	DIODE,1SS133T-72
D203L	9A09966200	DIODE,1SS133T-72
D203R	9A09966200	DIODE,1SS133T-72
D203SL	9A09966200	DIODE,1SS133T-72
D203SR	9A09966200	DIODE,1SS133T-72
L201C	9A09958300	COIL,INDUCTOR,J9000031
L201L	9A09958300	COIL,INDUCTOR,J9000031
L201R	9A09958300	COIL,INDUCTOR,J9000031
Q201C	9A09964200	TR,KSA992F
Q201L	9A09964200	TR,KSA992F
Q201R	9A09964200	TR,KSA992F
Q201SL	9A09964200	TR,KSA992F
Q201SR	9A09964200	TR,KSA992F
Q202C	9A09964200	TR,KSA992F
Q202L	9A09964200	TR,KSA992F
Q202R	9A09964200	TR,KSA992F
Q202SL	9A09964200	TR,KSA992F
Q202SR	9A09964200	TR,KSA992F
Q203C	9A09964200	TR,KSA992F
Q203L	9A09964200	TR,KSA992F
Q203R	9A09964200	TR,KSA992F
Q203SL	9A09964200	TR,KSA992F
Q203SR	9A09964200	TR,KSA992F
Q204C	9A09964200	TR,KSA992F
Q204L	9A09964200	TR,KSA992F
Q204R	9A09964200	TR,KSA992F
Q204SL	9A09964200	TR,KSA992F
Q204SR	9A09964200	TR,KSA992F
Q205C	9A09964700	TR,KSC1845F
Q205L	9A09964700	TR,KSC1845F
Q205R	9A09964700	TR,KSC1845F
Q205SL	9A09964700	TR,KSC1845F
Q205SR	9A09964700	TR,KSC1845F
Q206C	9A09964700	TR,KSC1845F
Q206L	9A09964700	TR,KSC1845F
Q206R	9A09964700	TR,KSC1845F
Q206SL	9A09964700	TR,KSC1845F
Q206SR	9A09964700	TR,KSC1845F
Q207C	9A09964200	TR,KSA992F
Q207L	9A09964200	TR,KSA992F
Q207R	9A09964200	TR,KSA992F
Q207SL	9A09964200	TR,KSA992F
Q207SR	9A09964200	TR,KSA992F

AMP PCB ASSY [E]

REF.NO.	PARTS NO.	DESCRIPTION
Q208C	9A09964300	TR,KTA1024Y
Q208L	9A09964300	TR,KTA1024Y
Q208R	9A09964300	TR,KTA1024Y
Q208SL	9A09964300	TR,KTA1024Y
Q208SR	9A09964300	TR,KTA1024Y
Q209C	9A09965000	TR,KTC3206Y
Q209L	9A09965000	TR,KTC3206Y
Q209R	9A09965000	TR,KTC3206Y
Q209SL	9A09965000	TR,KTC3206Y
Q209SR	9A09965000	TR,KTC3206Y
Q215C	9A09964700	TR,KSC1845F
Q215L	9A09964700	TR,KSC1845F
Q215R	9A09964700	TR,KSC1845F
Q215SL	9A09964700	TR,KSC1845F
Q215SR	9A09964700	TR,KSC1845F

AMP PCB ASSY [UK]

REF.NO.	PARTS NO.	DESCRIPTION
	----------	AMP PCB ASSY [UK]
CP201	9A10005200	CN,WAFER,GIL-S-10P-S2T2-EF
D201C	9A09966200	DIODE,1SS133T-72
D201L	9A09966200	DIODE,1SS133T-72
D201R	9A09966200	DIODE,1SS133T-72
D201SL	9A09966200	DIODE,1SS133T-72
D201SR	9A09966200	DIODE,1SS133T-72
D202C	9A09966200	DIODE,1SS133T-72
D202L	9A09966200	DIODE,1SS133T-72
D202R	9A09966200	DIODE,1SS133T-72
D202SL	9A09966200	DIODE,1SS133T-72
D202SR	9A09966200	DIODE,1SS133T-72
D203C	9A09966200	DIODE,1SS133T-72
D203L	9A09966200	DIODE,1SS133T-72
D203R	9A09966200	DIODE,1SS133T-72
D203SL	9A09966200	DIODE,1SS133T-72
D203SR	9A09966200	DIODE,1SS133T-72
L201C	9A09958300	COIL,INDUCTOR,J9000031
L201L	9A09958300	COIL,INDUCTOR,J9000031
L201R	9A09958300	COIL,INDUCTOR,J9000031
Q201C	9A09964200	TR,KSA992F
Q201L	9A09964200	TR,KSA992F
Q201R	9A09964200	TR,KSA992F
Q201SL	9A09964200	TR,KSA992F
Q201SR	9A09964200	TR,KSA992F
Q202C	9A09964200	TR,KSA992F
Q202L	9A09964200	TR,KSA992F
Q202R	9A09964200	TR,KSA992F
Q202SL	9A09964200	TR,KSA992F
Q202SR	9A09964200	TR,KSA992F
Q203C	9A09964200	TR,KSA992F
Q203L	9A09964200	TR,KSA992F
Q203R	9A09964200	TR,KSA992F
Q203SL	9A09964200	TR,KSA992F
Q203SR	9A09964200	TR,KSA992F

AMP PCB ASSY [UK]

REF.NO.	PARTS NO.	DESCRIPTION
Q204C	9A09964200	TR,KSA992F
Q204L	9A09964200	TR,KSA992F
Q204R	9A09964200	TR,KSA992F
Q204SL	9A09964200	TR,KSA992F
Q204SR	9A09964200	TR,KSA992F
Q205C	9A09964700	TR,KSC1845F
Q205L	9A09964700	TR,KSC1845F
Q205R	9A09964700	TR,KSC1845F
Q205SL	9A09964700	TR,KSC1845F
Q205SR	9A09964700	TR,KSC1845F
Q206C	9A09964700	TR,KSC1845F
Q206L	9A09964700	TR,KSC1845F
Q206R	9A09964700	TR,KSC1845F
Q206SL	9A09964700	TR,KSC1845F
Q206SR	9A09964700	TR,KSC1845F
Q207C	9A09964200	TR,KSA992F
Q207L	9A09964200	TR,KSA992F
Q207R	9A09964200	TR,KSA992F
Q207SL	9A09964200	TR,KSA992F
Q207SR	9A09964200	TR,KSA992F
Q208C	9A09964300	TR,KTA1024Y
Q208L	9A09964300	TR,KTA1024Y
Q208R	9A09964300	TR,KTA1024Y
Q208SL	9A09964300	TR,KTA1024Y
Q208SR	9A09964300	TR,KTA1024Y
Q209C	9A09965000	TR,KTC3206Y
Q209L	9A09965000	TR,KTC3206Y
Q209R	9A09965000	TR,KTC3206Y
Q209SL	9A09965000	TR,KTC3206Y
Q209SR	9A09965000	TR,KTC3206Y
Q215C	9A09964700	TR,KSC1845F
Q215L	9A09964700	TR,KSC1845F
Q215R	9A09964700	TR,KSC1845F
Q215SL	9A09964700	TR,KSC1845F
Q215SR	9A09964700	TR,KSC1845F

FRONT PCB ASSY [E]

REF.NO.	PARTS NO.	DESCRIPTION
	9A09998300	FRONT PCB ASSY [E]
	9A09976000	HOLDER,FLT
	9A09976200	PLATE,SHIELD
AR301	9A09949100	R,NET,100KJX9
AR302	9A09979200	R,NET,100KJX7
C308	9A09957800	C,HO.047F-70UA/5.5V
CP301	9A09971100	CN,FPC,52492-2520 25P
D301	9A09966200	DIODE,1SS133T-72
D302	9A09966200	DIODE,1SS133T-72
D303	9A09966200	DIODE,1SS133T-72
D304	9A09966200	DIODE,1SS133T-72
D305	9A09966200	DIODE,1SS133T-72
D310	9A09966200	DIODE,1SS133T-72
D311	9A09966200	DIODE,1SS133T-72
D312	9A09966200	DIODE,1SS133T-72

FRONT PCB ASSY [E]

REF.NO.	PARTS NO.	DESCRIPTION
D313	9A09966200	DIODE,1SS133T-72
D314	9A09966200	DIODE,1SS133T-72
D315	9A09966200	DIODE,1SS133T-72
D316	9A09966200	DIODE,1SS133T-72
D317	9A09966200	DIODE,1SS133T-72
D318	9A09966200	DIODE,1SS133T-72
D319	9A09966200	DIODE,1SS133T-72
D320	9A09966200	DIODE,1SS133T-72
D322	9A09966200	DIODE,1SS133T-72
FIP301	9A09967400	DISPLAY,FLT
IC301	9A09998400	IC,CXP82852-392Q
IC302	9A09963100	IC,BU1924F
L301	9A09957900	COIL,10UH-Q40
LED301	9A09967200	LED,HL-30CNYUF2T YELLOW
LED302	9A09967200	LED,HL-30CNYUF2T YELLOW
LED303	9A09967300	LED,L-7113QBC-C-TNB5 BLUE
LED304	9A09967300	LED,L-7113QBC-C-TNB5 BLUE
Q301	9A09966100	TR,KRC107M
Q302	9A09966100	TR,KRC107M
Q303	9A09966100	TR,KRC107M
Q304	9A09966100	TR,KRC107M
Q305	9A09966100	TR,KRC107M
Q306	9A09966000	TR,KRA107M
Q307	9A09966100	TR,KRC107M
SEN301	9A09959100	MODULE,REMOCON,NJL64H380A
SW301	9A09959500	SW,TACT,SKHV10920A
SW302	9A09959500	SW,TACT,SKHV10920A
SW303	9A09959500	SW,TACT,SKHV10920A
SW304	9A09959500	SW,TACT,SKHV10920A
SW305	9A09959500	SW,TACT,SKHV10920A
SW306	9A09959500	SW,TACT,SKHV10920A
SW309	9A09959500	SW,TACT,SKHV10920A
SW310	9A09959500	SW,TACT,SKHV10920A
SW311	9A09959500	SW,TACT,SKHV10920A
SW312	9A09959500	SW,TACT,SKHV10920A
SW313	9A09959500	SW,TACT,SKHV10920A
SW314	9A09959500	SW,TACT,SKHV10920A
SW315	9A09959500	SW,TACT,SKHV10920A
SW316	9A09959500	SW,TACT,SKHV10920A
SW317	9A09959500	SW,TACT,SKHV10920A
SW318	9A09959500	SW,TACT,SKHV10920A
SW319	9A09959500	SW,TACT,SKHV10920A
SW320	9A09959500	SW,TACT,SKHV10920A
SW321	9A09959500	SW,TACT,SKHV10920A
SW323	9A09959500	SW,TACT,SKHV10920A
SW324	9A09959500	SW,TACT,SKHV10920A
SW325	9A09959500	SW,TACT,SKHV10920A
SW326	9A09959500	SW,TACT,SKHV10920A
SW327	9A09959500	SW,TACT,SKHV10920A
SW328	9A09959500	SW,TACT,SKHV10920A
SW329	9A09959500	SW,TACT,SKHV10920A
VOL301	9A09959400	SW,ENCODER,EC16B24304
X-TAL301	9A09958900	RESONATOR,10.000MHZ
X-TAL302	9A09958800	CRYSTAL,4.332MHZ
ZD301	9A09966700	D,ZENER,MTZJ5.1B

FRONT PCB ASSY [UK]

REF.NO.	PARTS NO.	DESCRIPTION
	9A09998310	FRONT PCB ASSY [UK]
	9A09976000	HOLDER,FLT
	9A09976200	PLATE,SHIELD
AR301	9A09949100	R,NET,100KJX9
AR302	9A09979200	R,NET,100KJX7
C308	9A09957800	C,HO.047F-70UA/5.5V
CP301	9A09971100	CN,FPC,52492-2520 25P
D301	9A09966200	DIODE,1SS133T-72
D302	9A09966200	DIODE,1SS133T-72
D303	9A09966200	DIODE,1SS133T-72
D304	9A09966200	DIODE,1SS133T-72
D305	9A09966200	DIODE,1SS133T-72
D310	9A09966200	DIODE,1SS133T-72
D311	9A09966200	DIODE,1SS133T-72
D312	9A09966200	DIODE,1SS133T-72
D313	9A09966200	DIODE,1SS133T-72
D314	9A09966200	DIODE,1SS133T-72
D315	9A09966200	DIODE,1SS133T-72
D316	9A09966200	DIODE,1SS133T-72
D317	9A09966200	DIODE,1SS133T-72
D318	9A09966200	DIODE,1SS133T-72
D319	9A09966200	DIODE,1SS133T-72
D320	9A09966200	DIODE,1SS133T-72
D322	9A09966200	DIODE,1SS133T-72
FIP301	9A09967400	DISPLAY,FLT
IC301	9A09998400	IC,CXP82852-392Q
IC302	9A09963100	IC,BU1924F
L301	9A09957900	COIL,10UH-Q40
LED301	9A09967200	LED,HL-30CNYUF2T YELLOW
LED302	9A09967200	LED,HL-30CNYUF2T YELLOW
LED303	9A09967300	LED,L-7113QBC-C-TNB5 BLUE
LED304	9A09967300	LED,L-7113QBC-C-TNB5 BLUE
Q301	9A09966100	TR,KRC107M
Q302	9A09966100	TR,KRC107M
Q303	9A09966100	TR,KRC107M
Q304	9A09966100	TR,KRC107M
Q305	9A09966100	TR,KRC107M
Q306	9A09966000	TR,KRA107M
Q307	9A09966100	TR,KRC107M
SEN301	9A09959100	MODULE,REMOCON,NJL64H380A
SW301	9A09959500	SW,TACT,SKHV10920A
SW302	9A09959500	SW,TACT,SKHV10920A
SW303	9A09959500	SW,TACT,SKHV10920A
SW304	9A09959500	SW,TACT,SKHV10920A
SW305	9A09959500	SW,TACT,SKHV10920A
SW306	9A09959500	SW,TACT,SKHV10920A
SW309	9A09959500	SW,TACT,SKHV10920A
SW310	9A09959500	SW,TACT,SKHV10920A
SW311	9A09959500	SW,TACT,SKHV10920A
SW312	9A09959500	SW,TACT,SKHV10920A
SW313	9A09959500	SW,TACT,SKHV10920A
SW314	9A09959500	SW,TACT,SKHV10920A
SW315	9A09959500	SW,TACT,SKHV10920A
SW316	9A09959500	SW,TACT,SKHV10920A
SW317	9A09959500	SW,TACT,SKHV10920A

FRONT PCB ASSY [UK]

REF.NO.		PARTS NO.	DESCRIPTION
SW318		9A09959500	SW,TACT,SKHV10920A
SW319		9A09959500	SW,TACT,SKHV10920A
SW320		9A09959500	SW,TACT,SKHV10920A
SW321		9A09959500	SW,TACT,SKHV10920A
SW323		9A09959500	SW,TACT,SKHV10920A
SW324		9A09959500	SW,TACT,SKHV10920A
SW325		9A09959500	SW,TACT,SKHV10920A
SW326		9A09959500	SW,TACT,SKHV10920A
SW327		9A09959500	SW,TACT,SKHV10920A
SW328		9A09959500	SW,TACT,SKHV10920A
SW329		9A09959500	SW,TACT,SKHV10920A
VOL301		9A09959400	SW,ENCODER,EC16B24304
X-TAL301		9A09958900	RESONATOR,10.000MHZ
X-TAL302		9A09958800	CRYSTAL,4.332MHZ
ZD301		9A09966700	D,ZENER,MTZJ5.1B

FUNCTION PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	9A09995600	FUNCTION PCB ASSY
FUNC301	9A09959300	SW,ENCODER,EC16B12204

DSP PCB ASSY

REF.NO.		PARTS NO.	DESCRIPTION
		9A09977300	DSP PCB ASSY
		9A09975000	SHIELD PLATE GND
		9A09960200	SOCKET,IC 32PIN
BD801		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD802		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD803		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD804		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD805		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD806		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD807		9A09978700	BEAD,COIL,HB-IT2012-121JT
BD808		9A09978700	BEAD,COIL,HB-IT2012-121JT
CP801		9A10005300	CN,WAFER,GIL-15P-S2L2-EF
CP802		9A09969700	CN,WAFER,G1L-S-4P-S2T2-EF
CP803		9A09970400	CN,WAFER,GIL-14P-S2L2-EF
D801		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D802		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D803		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D804		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D805		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
D806		9A09966400	DIODE,CHIP,1N4148WS/BAV16WS
IC801	⚠	9A09963300	IC,RC1117-3.3
IC802		9A09958400	MODULE,OPTICAL,GP1FA502RZ
IC803		9A10003600	IC,MC74HCU04AD
IC804		9A10004300	IC,BA4510F-T1
IC805		9A10004300	IC,BA4510F-T1

DSP PCB ASSY

REF.NO.		PARTS NO.	DESCRIPTION
IC806		9A09979800	IC,EEPROM M27W201-80B6 2M
IC807		9A10003800	IC,74HCT574
IC808		9A10003800	IC,74HCT574
IC809		9A10003700	IC,MM74HC125MX
IC810		9A09962500	IC,AK4112BVF-E2
IC811	⚠	9A09963400	IC,MC7805CT
IC812		9A10003900	IC,AK4527-VQ
IC813		9A10004000	IC,CS492604-CL
IC814		9A09963000	IC,BA4558F-E2
IC815		9A09963000	IC,BA4558F-E2
IC816		9A09963000	IC,BA4558F-E2
IC817		9A09963000	IC,BA4558F-E2
IC818		9A09963000	IC,BA4558F-E2
JACK801		9A09960400	TERMINAL,RCA 2PIN
L801		9A09958200	COIL,4.7UH-Q50
L802		9A09958000	COIL,2.2UH-Q50
L803		9A09958000	COIL,2.2UH-Q50
L804		9A09958200	COIL,4.7UH-Q50
Q802		9A09965200	TR,KRA107S
Q803		9A09965200	TR,KRA107S
Q804		9A09965200	TR,KRA107S
Q805		9A09965600	TR,KRC107S
Q806C		9A09964800	TR,KTC2874B
Q806FL		9A09964800	TR,KTC2874B
Q806FR		9A09964800	TR,KTC2874B
Q806SL		9A09964800	TR,KTC2874B
Q806SR		9A09964800	TR,KTC2874B
Q806SW		9A09964800	TR,KTC2874B
Q807FL		9A09965900	FET,2SK117Y
Q807FR		9A09965900	FET,2SK117Y
Q808		9A09965200	TR,KRA107S
Q809		9A09965600	TR,KRC107S
XT801		9A09958600	CRYSTAL,12.288MHZ

S-VIDEO PCB ASSY

REF.NO.		PARTS NO.	DESCRIPTION
		9A09977400	S-VIDEO PCB ASSY
CP501		9A10005000	CN,WAFER,GIL-S-04P-S2L2-EF
D501		9A09966200	DIODE,1SS133T-72
D502		9A09966200	DIODE,1SS133T-72
IC501		9A09964000	IC,LA7952
IC502		9A09964000	IC,LA7952
JACK501		9A09959900	JACK,DIN S-VIDEO 2P
JACK502		9A09959900	JACK,DIN S-VIDEO 2P
Q501		9A10004500	TR,KTC3198Y
Q502		9A10004500	TR,KTC3198Y
Q503		9A10004500	TR,KTC3198Y
Q504		9A10004500	TR,KTC3198Y
Q505		9A09966100	TR,KRC107M
Q506		9A09966100	TR,KRC107M
Q507		9A09966100	TR,KRC107M
Q508		9A09966100	TR,KRC107M
R519	⚠	9A09948600	R,METAL,33 OHM 1W
ZD501		9A09967000	D,ZENER,MTZJ12B

POWER PCB ASSY [E]

REF.NO.		PARTS NO.	DESCRIPTION
		9A09995300	POWER PCB ASSY [E]
	⚠	9A09960100	SOCKET,AC OUTLET
C714	⚠	9A09954700	CC,AC13F472MDOA
CP710		9A09970500	CN,WAFER,5267-04A 4P
CP711		9A09970900	CN,WAFER,35328-0210
CP712		9A09980400	CN,WAFER,YW396V
CP713		9A09970900	CN,WAFER,35328-0210
CP714		9A09970000	CN,WAFER,GIL-S-8P-S2T2-EF
D710	⚠	9A09966300	DIODE,IN4007
D711	⚠	9A09966300	DIODE,IN4007
D712	⚠	9A09966300	DIODE,IN4007
D713	⚠	9A09966300	DIODE,IN4007
D714		9A09966200	DIODE,1SS133T-72
D715		9A09966200	DIODE,1SS133T-72
D716		9A09966200	DIODE,1SS133T-72
D717		9A09966200	DIODE,1SS133T-72
F711	⚠	9A09973700	FUSE,T2.5A 250V
F711A		9A09961500	HOLDER,FUSE CLIP
F711B		9A09961500	HOLDER,FUSE CLIP
F712	⚠	9A09973800	FUSE,T4A 250V
F712A		9A09961500	HOLDER,FUSE CLIP
F712B		9A09961500	HOLDER,FUSE CLIP
GND711		9A09975400	TERMINAL,GND PLATE
IC710	⚠	9A09963500	IC,MC7806CT
L710		9A09957900	COIL,10UH-Q40
L711		9A09957900	COIL,10UH-Q40
L712		9A09957900	COIL,10UH-Q40
Q711		9A09966100	TR,KRC107M
Q712	⚠	9A09964100	TR,KSA916Y
RY710	⚠	9A09961600	RELAY,G5PA-1 12V 5A
T710	⚠	9A09978800	TRANS,ST/BY
ZD711		9A09966900	D,ZENER,MTZJ7.5B
ZD712		9A09967100	D,ZENER,MTZJ15B
ZD713		9A09967100	D,ZENER,MTZJ15B
ZD715		9A09966600	D,ZENER,MTZJ4.3B

POWER PCB ASSY [UK]

REF.NO.		PARTS NO.	DESCRIPTION
		----------	POWER PCB ASSY [UK]
C714	⚠	9A09954700	CC,AC13F472MDOA
CP710		9A09970500	CN,WAFER,5267-04A 4P
CP711		9A09970900	CN,WAFER,35328-0210
CP712		9A09980400	CN,WAFER,YW396V
CP713		9A09970900	CN,WAFER,35328-0210
CP714		9A09970000	CN,WAFER,GIL-S-8P-S2T2-EF
D710	⚠	9A09966300	DIODE,IN4007
D711	⚠	9A09966300	DIODE,IN4007
D712	⚠	9A09966300	DIODE,IN4007
D713	⚠	9A09966300	DIODE,IN4007
D714		9A09966200	DIODE,1SS133T-72
D715		9A09966200	DIODE,1SS133T-72
D716		9A09966200	DIODE,1SS133T-72
D717		9A09966200	DIODE,1SS133T-72
F712	⚠	9A09973800	FUSE,T4A 250V
F712A		9A09961500	HOLDER,FUSE CLIP
F712B		9A09961500	HOLDER,FUSE CLIP
GND711		9A09975400	TERMINAL,GND PLATE
IC710	⚠	9A09963500	IC,MC7806CT
L710		9A09957900	COIL,10UH-Q40
L711		9A09957900	COIL,10UH-Q40
L712		9A09957900	COIL,10UH-Q40
Q711		9A09966100	TR,KRC107M
Q712	⚠	9A09964100	TR,KSA916Y
RY710	⚠	9A09961600	RELAY,G5PA-1 12V 5A
T710	⚠	9A09978800	TRANS,ST/BY
ZD711		9A09966900	D,ZENER,MTZJ7.5B
ZD712		9A09967100	D,ZENER,MTZJ15B
ZD713		9A09967100	D,ZENER,MTZJ15B
ZD715		9A09966600	D,ZENER,MTZJ4.3B

HEADPHONE PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	9A09995900	HEADPHONE PCB ASSY
	9A09959600	JACK,D6.5

POWER SW PCB ASSY

REF.NO.		PARTS NO.	DESCRIPTION
		9A09995800	POWER SW PCB ASSY
	⚠	9A09959200	SW,PUSH,SDDL-005-S

ST/BY PCB ASSY

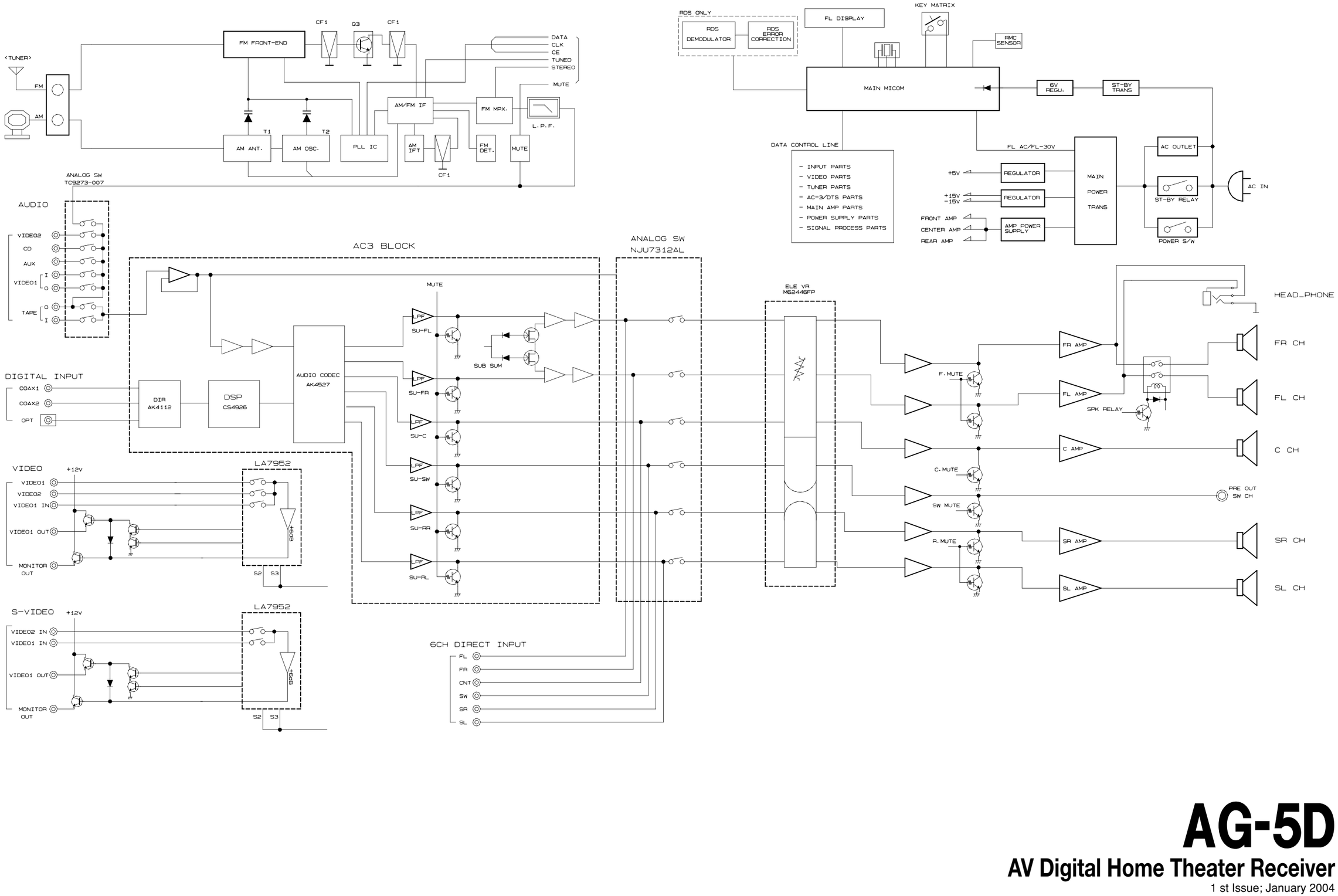
REF.NO.	PARTS NO.	DESCRIPTION
	9A09978300	ST/BY PCB ASSY
CP715	9A09969500	CN,WAFER,GIL-S-2P-S2L2-EF
SW307	9A09959500	SW,TACT,SKHV10920A

6 INCLUDED ACCESSORIES

INCLUDED ACCESSORIES

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	9A09996000	OWNER'S MANUAL,E/F/S	
	9A09996100	OWNER'S MANUAL,D/I/N [E]	
	9A09986000	REMOTE CONTROL UNIT,UR-422	
	9A09985700	BATTERY,DRY,AAA	
	9A09985500	ANTENNA,ROOP,STD	
	9A09985600	ANTENNA,WIRE,67029	
	9A09985800	MATCHING TRANS	

TEAC BLOCK DIAGRAM AG-5D

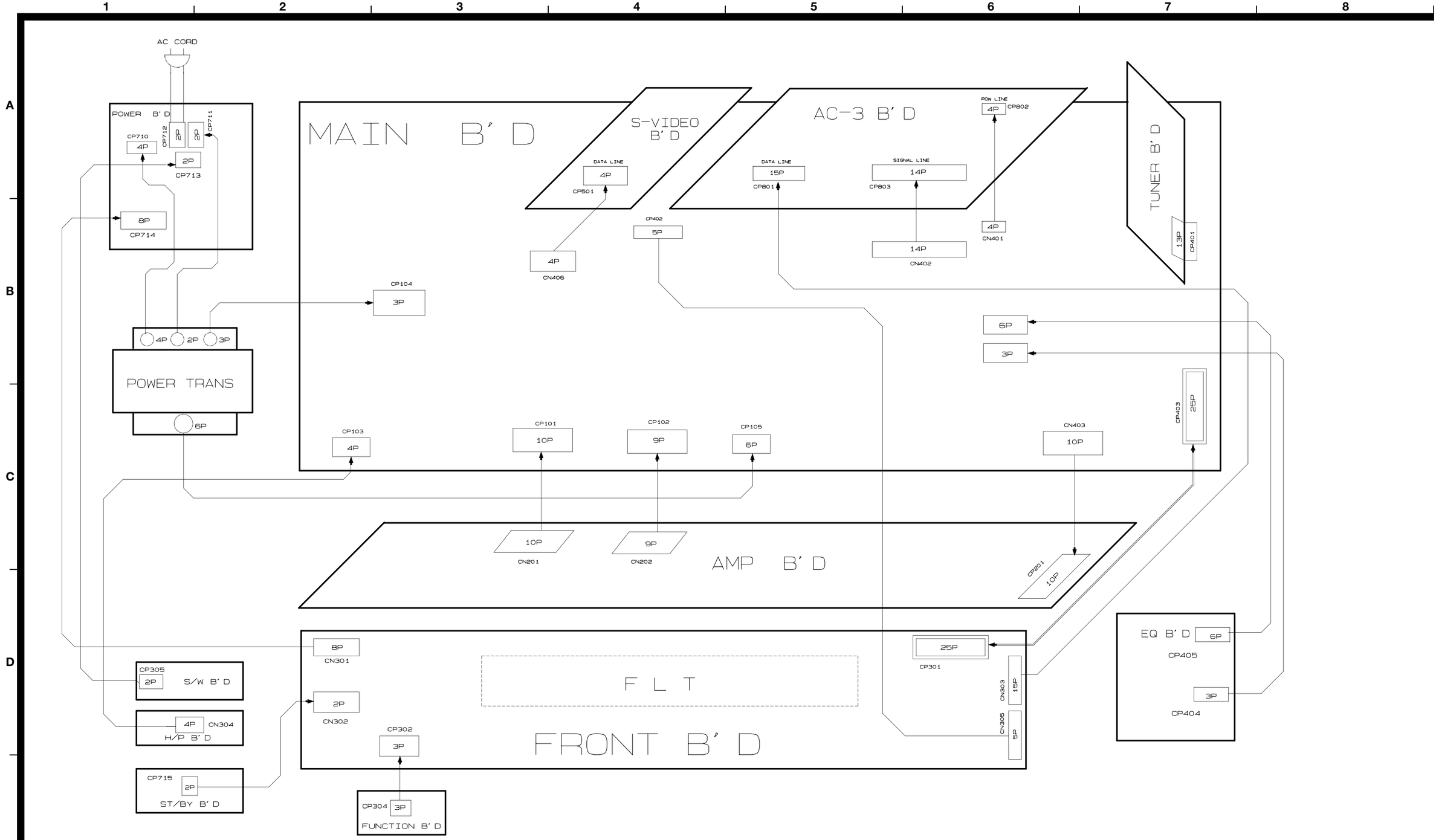


AG-5D

AV Digital Home Theater Receiver

1 st Issue; January 2004

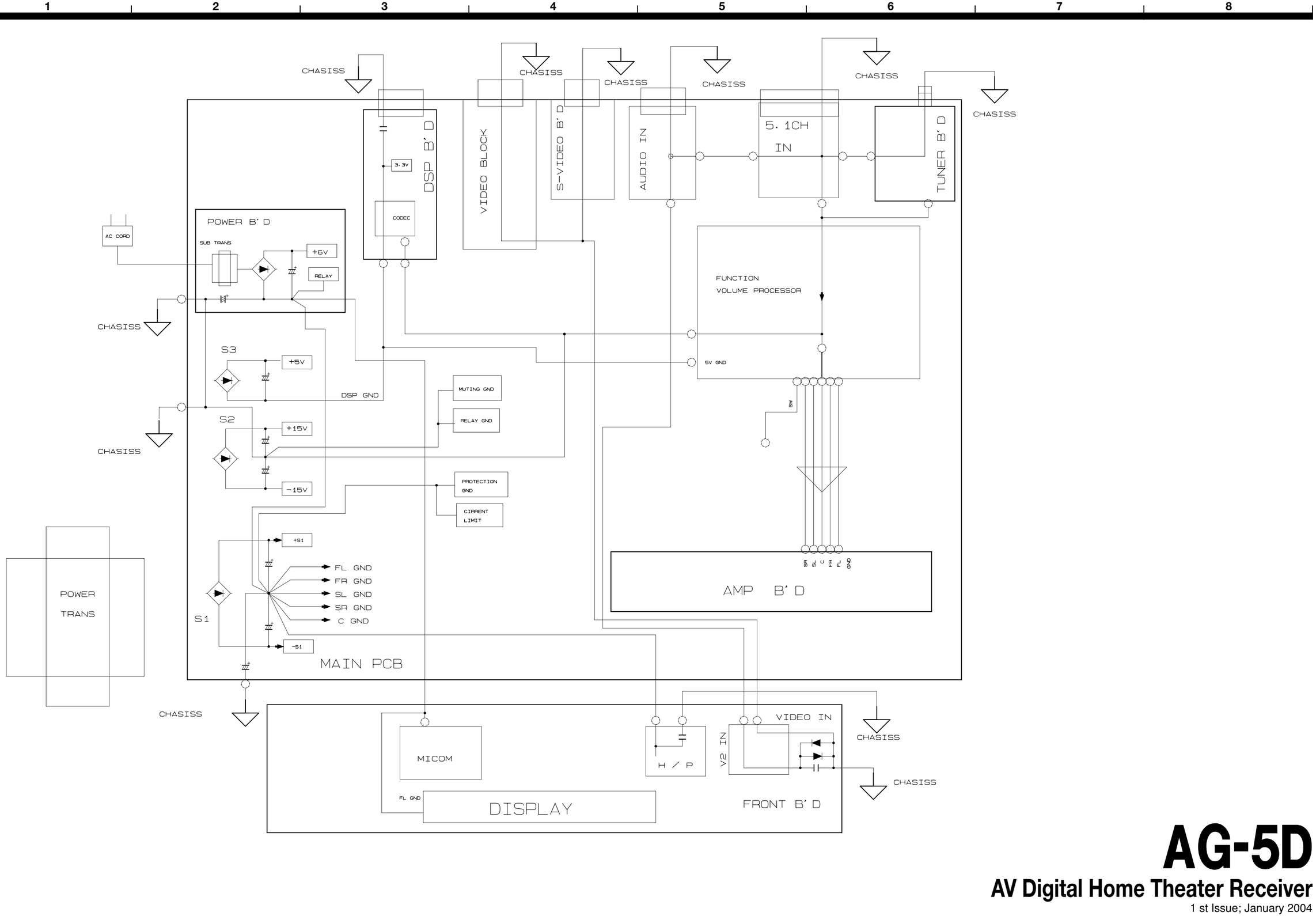
TEAC WIRING DIAGRAM AG-5D



AG-5D

AV Digital Home Theater Receiver

1 st Issue; January 2004

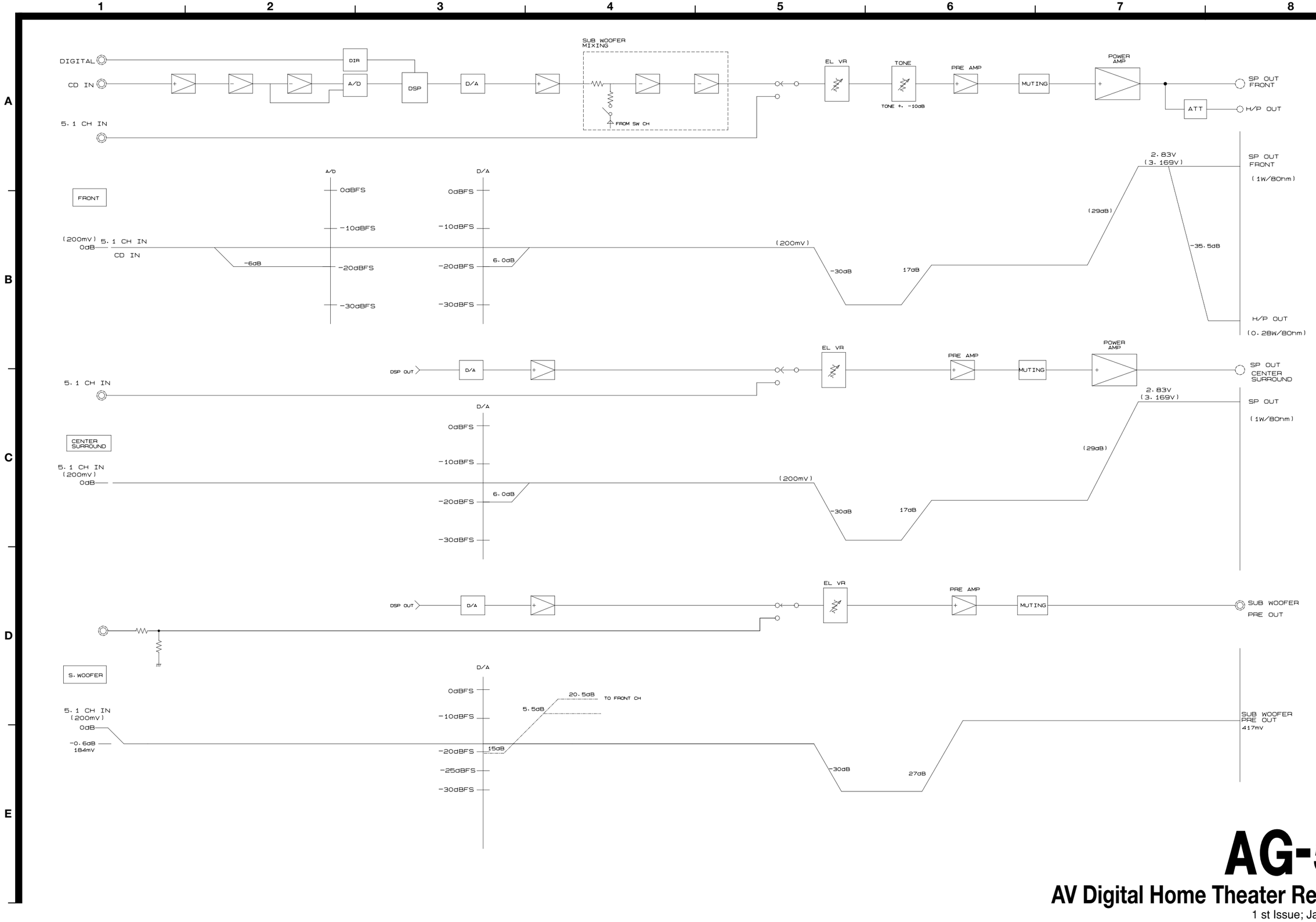


AG-5D

AV Digital Home Theater Receiver

1 st Issue; January 2004

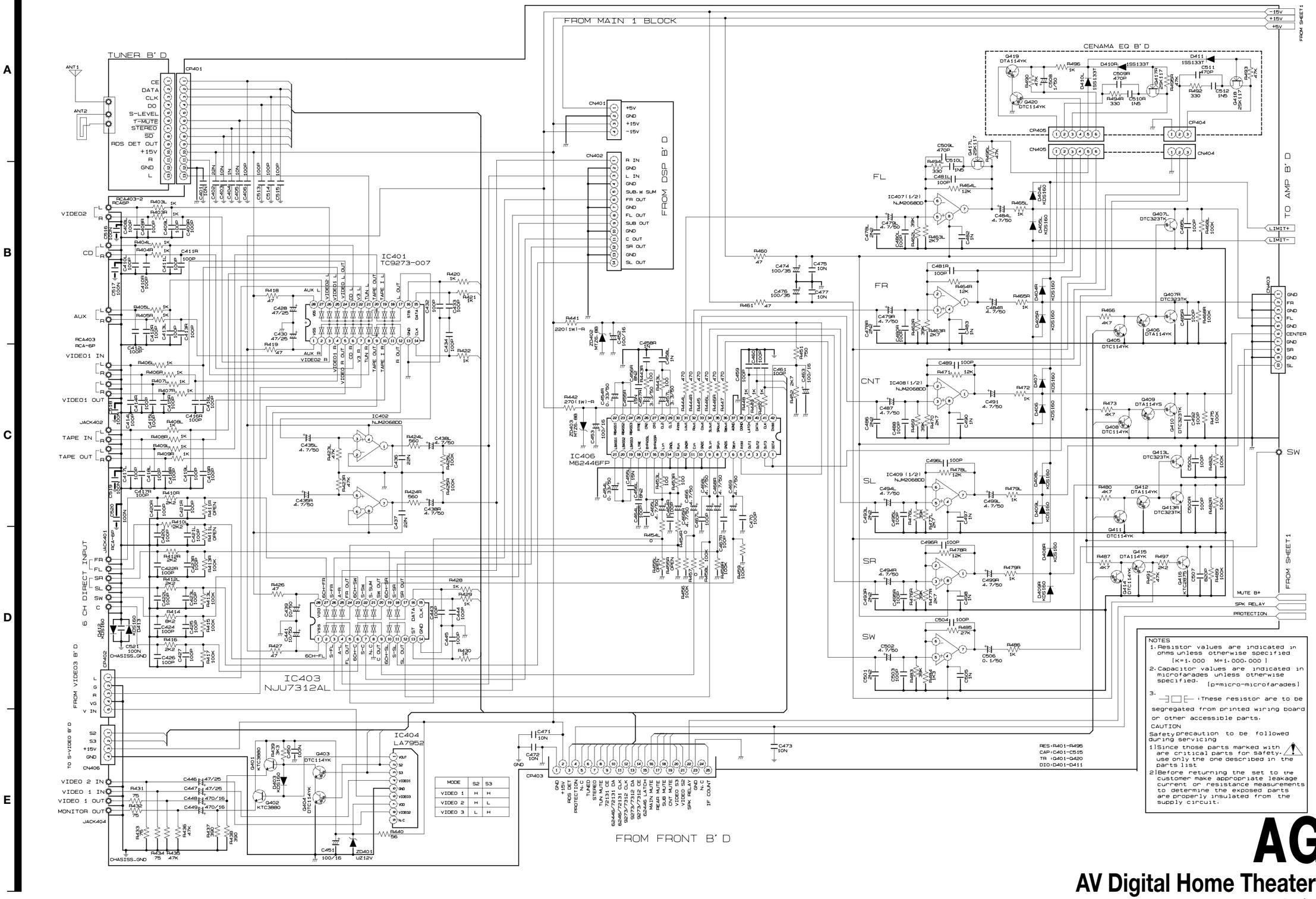
TEAC LEVEL DIAGRAM AG-5D



AG-5D

AV Digital Home Theater Receiver

1 st Issue; January 2004



MODE	S2	S3
VIDEO 1	H	H
VIDEO 2	H	L
VIDEO 3	L	H

NOTES
1. Resistor values are indicated in ohms unless otherwise specified [K=1.000 M=1.000.000]
2. Capacitor values are indicated in microfarades unless otherwise specified. [p=micro-microfarades]
3. ⊣□⊢ : These resistor are to be segregated from printed wiring board or other accessible parts.

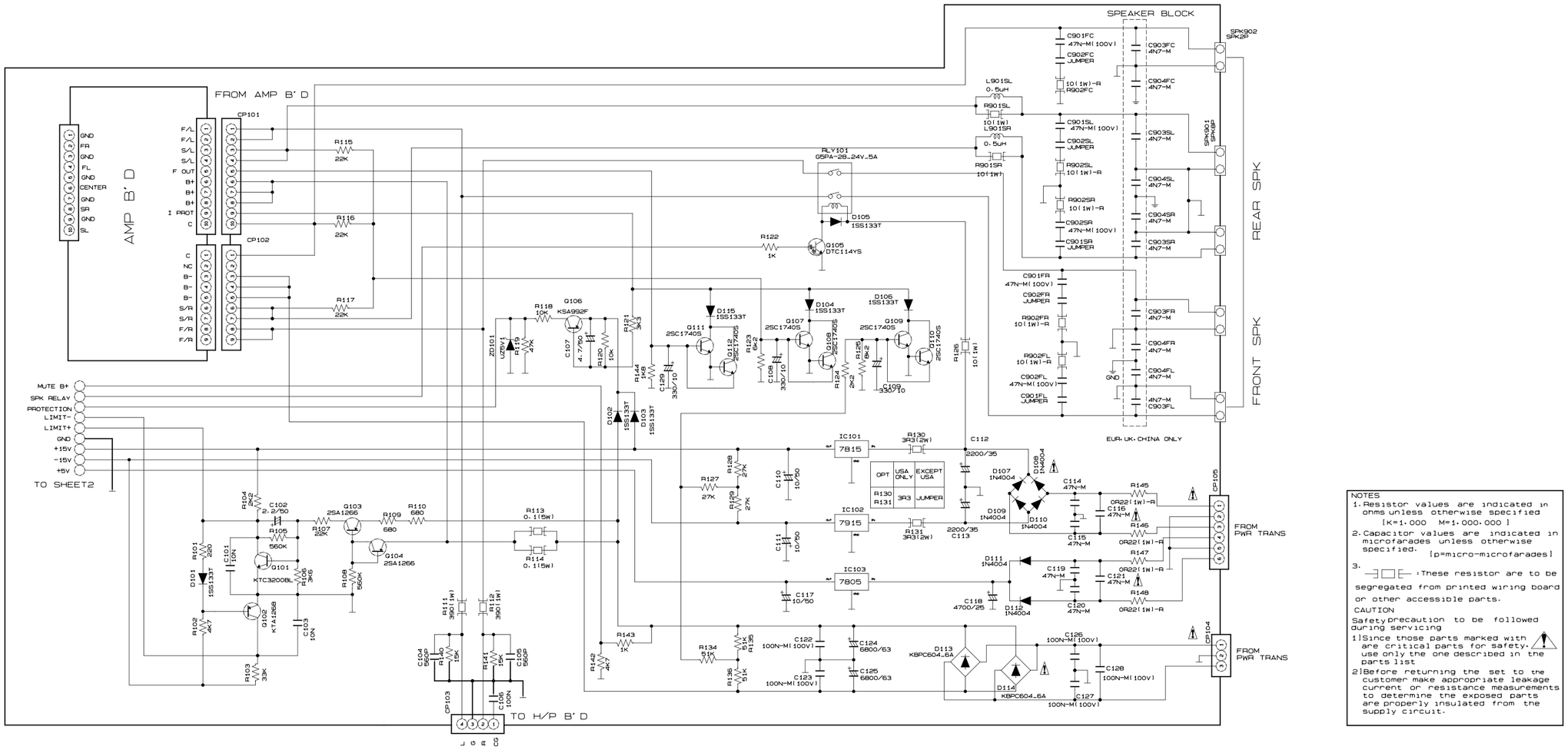
CAUTION
Safety precaution to be followed during servicing
1) Since those parts marked with ⚠ are critical parts for safety. use only the one described in the parts list
2) Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.

RES : R401~R495
CAP : C401~C515
TR : Q401~Q420
DIO : D401~D411

AG-5D

AV Digital Home Theater Receiver

1 st Issue; January 2004



NOTES
1. Resistor values are indicated in ohms unless otherwise specified
[K=1,000 M=1,000,000]
2. Capacitor values are indicated in microfarades unless otherwise specified. [p=micro-microfarades]
3. ⊣□⊢ : These resistor are to be segregated from printed wiring board or other accessible parts.

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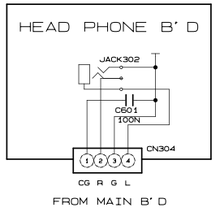
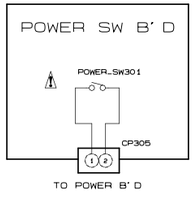
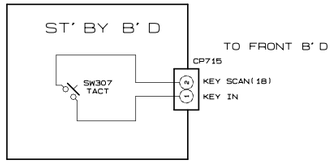
1) Since those parts marked with ⚠ are critical parts for safety, use only the one described in the parts list
2) Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.







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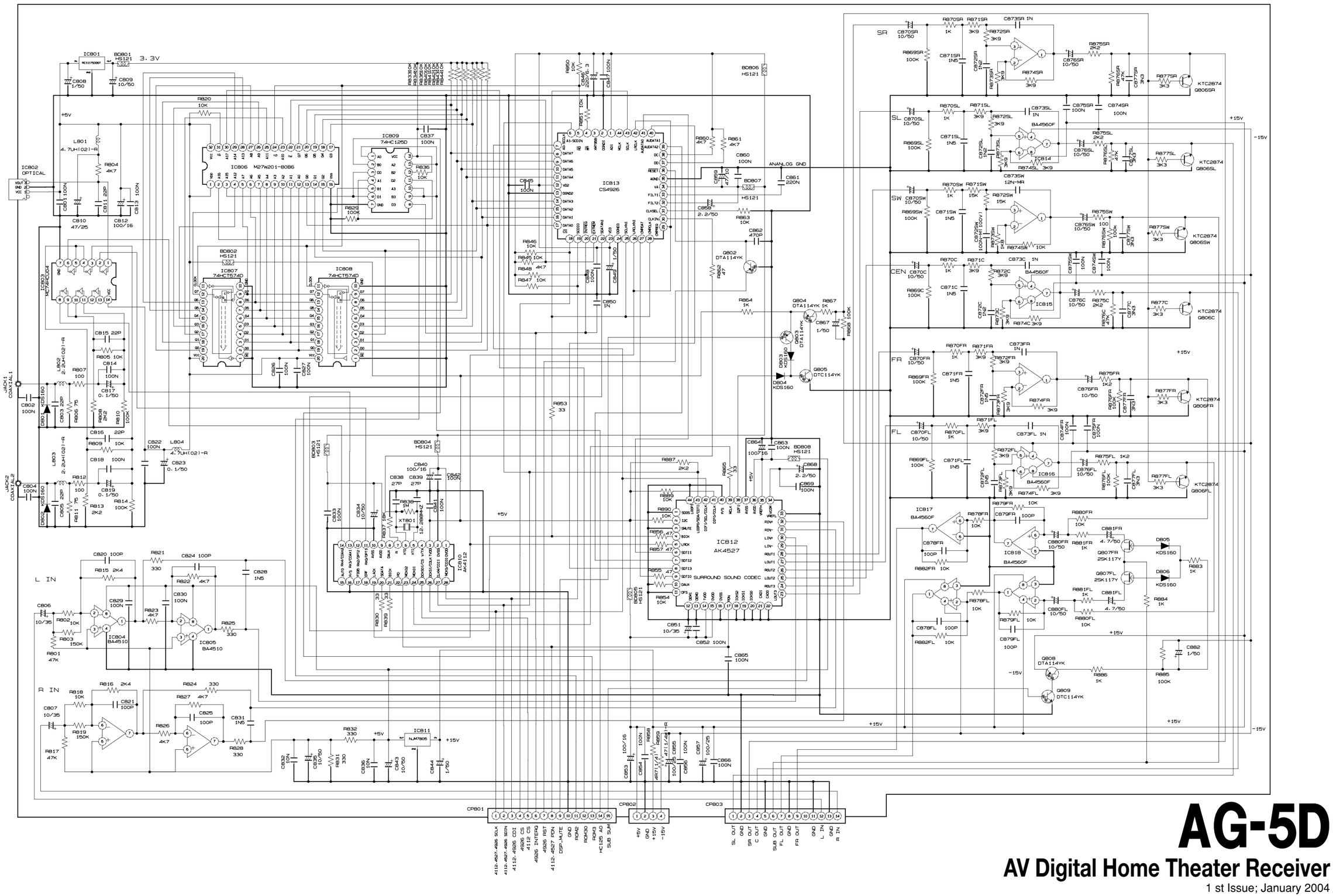

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TEAC SCHEMATIC DIAGRAM AG-5D AMP PCB

2SA992 Q201L-204L. Q207L
Q201R-204R. Q207R
Q201C-204C. Q207C
Q201SL-204SL. Q207SL
Q201SR-204SR. Q207SR

2SC1845 Q205L. 206L. 215L
Q205R. 206R. 215R
Q205C. 206C. 215C
Q205SL. 206SL. 215SL
Q205SR. 206SR. 215SR

1N4148 : D201L. 202L. 201R. 202R. 201C. 202C
D201SL. 202SL. 201SR. 202SR
D203L D203R D203SR D203SL D203C

2SR1024 : Q208L. 208R. 208C. 208SL. 208SR

2SR1024 : Q208L. 208R. 208C. 208SL. 208SR

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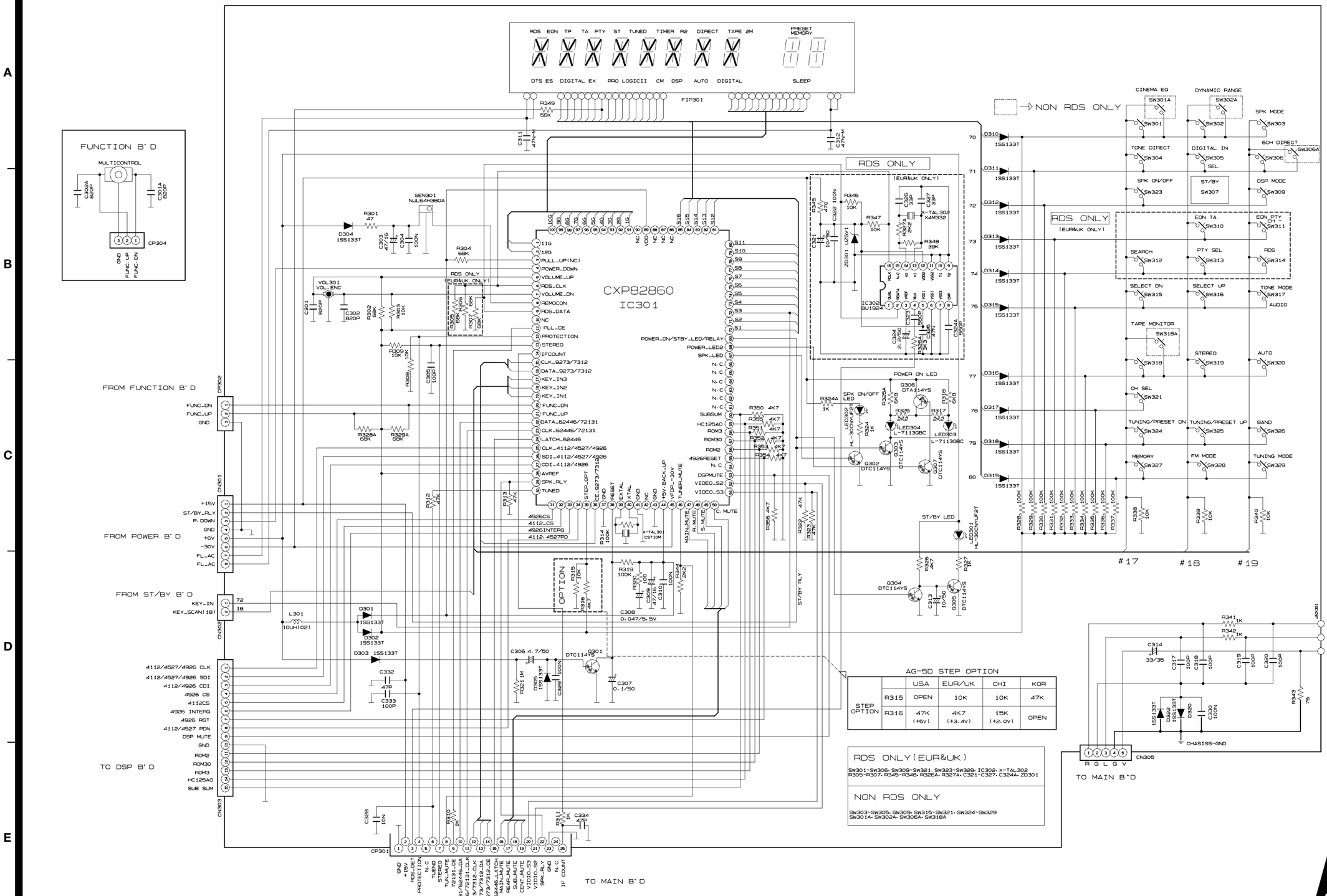

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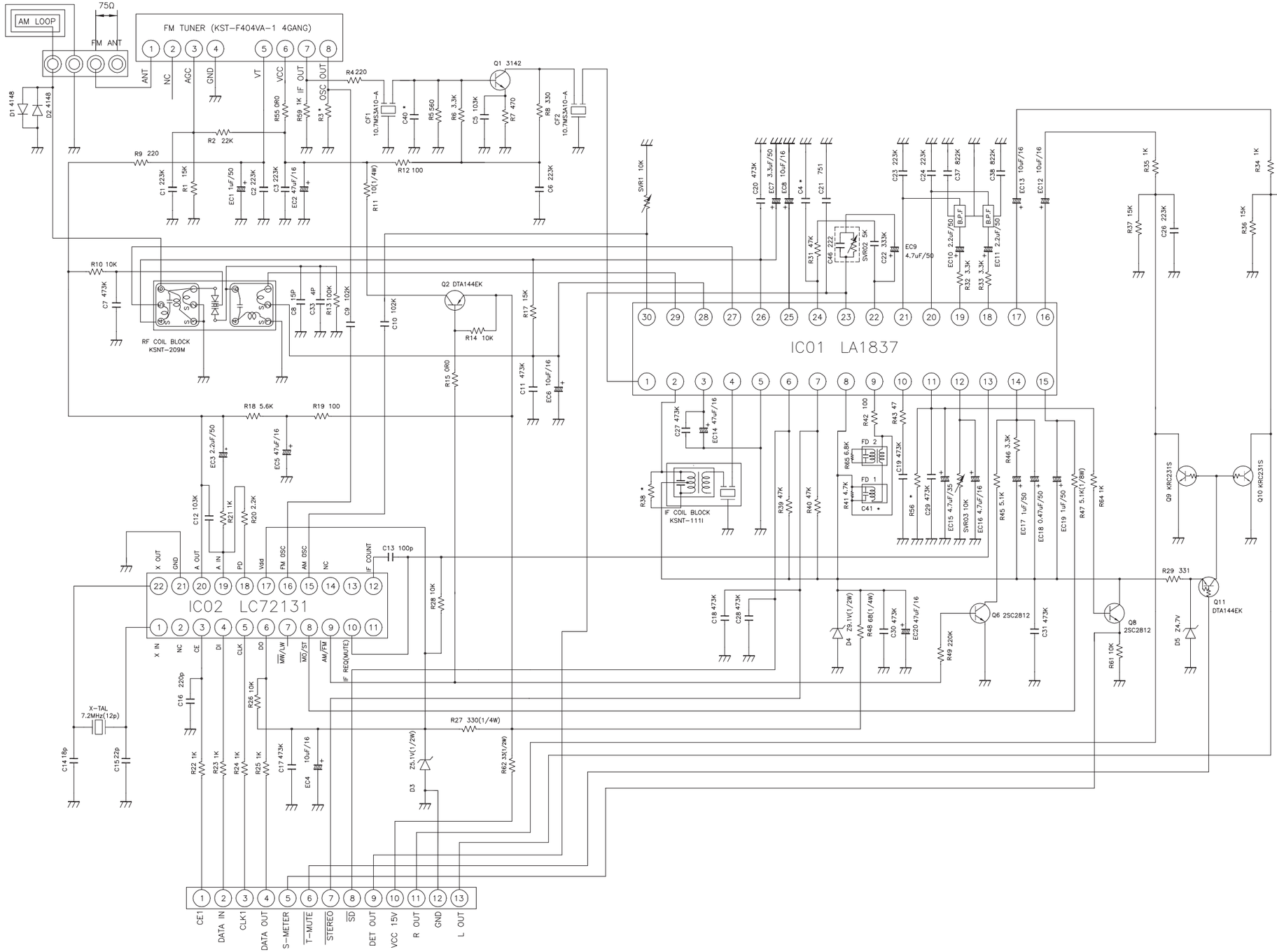

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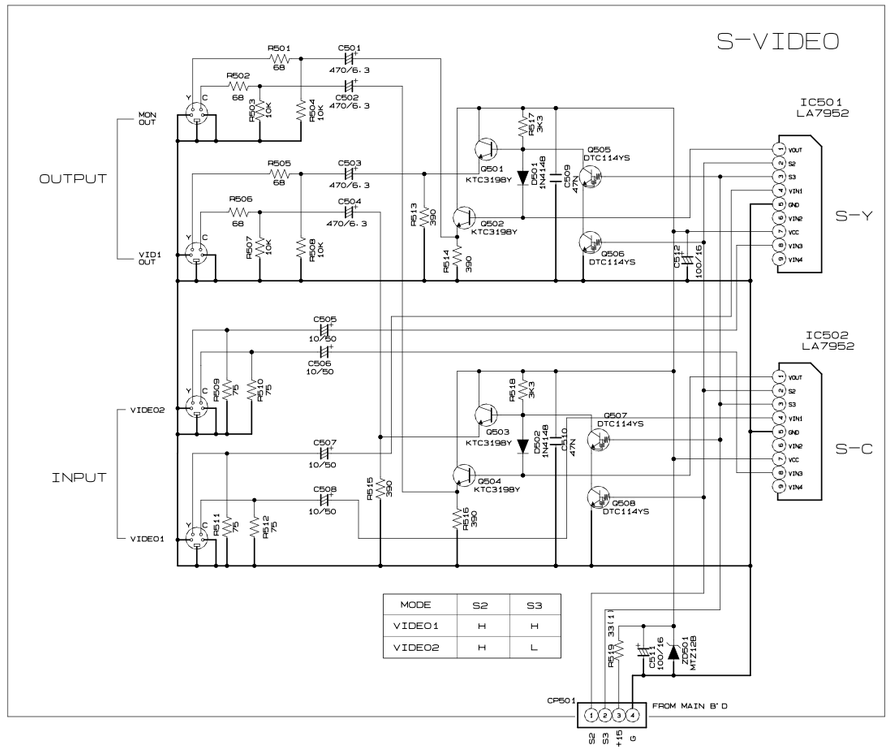

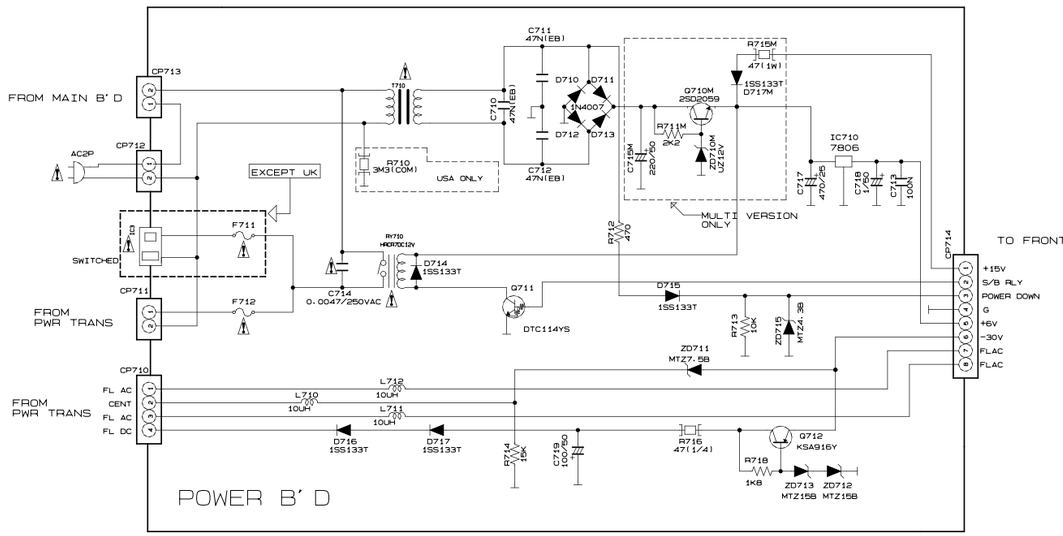

AREA	F712	F711
USA	SB6A / 125V	SB2.5A /250V
EUR	T4AL / 250V	T2.5AL / 250V
UK	T4AL / 250V	—
CHINA	T4AL / 250V	T2.5AL / 250V
KOREA	T4AL / 250V	T2.5AL / 250V

INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

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